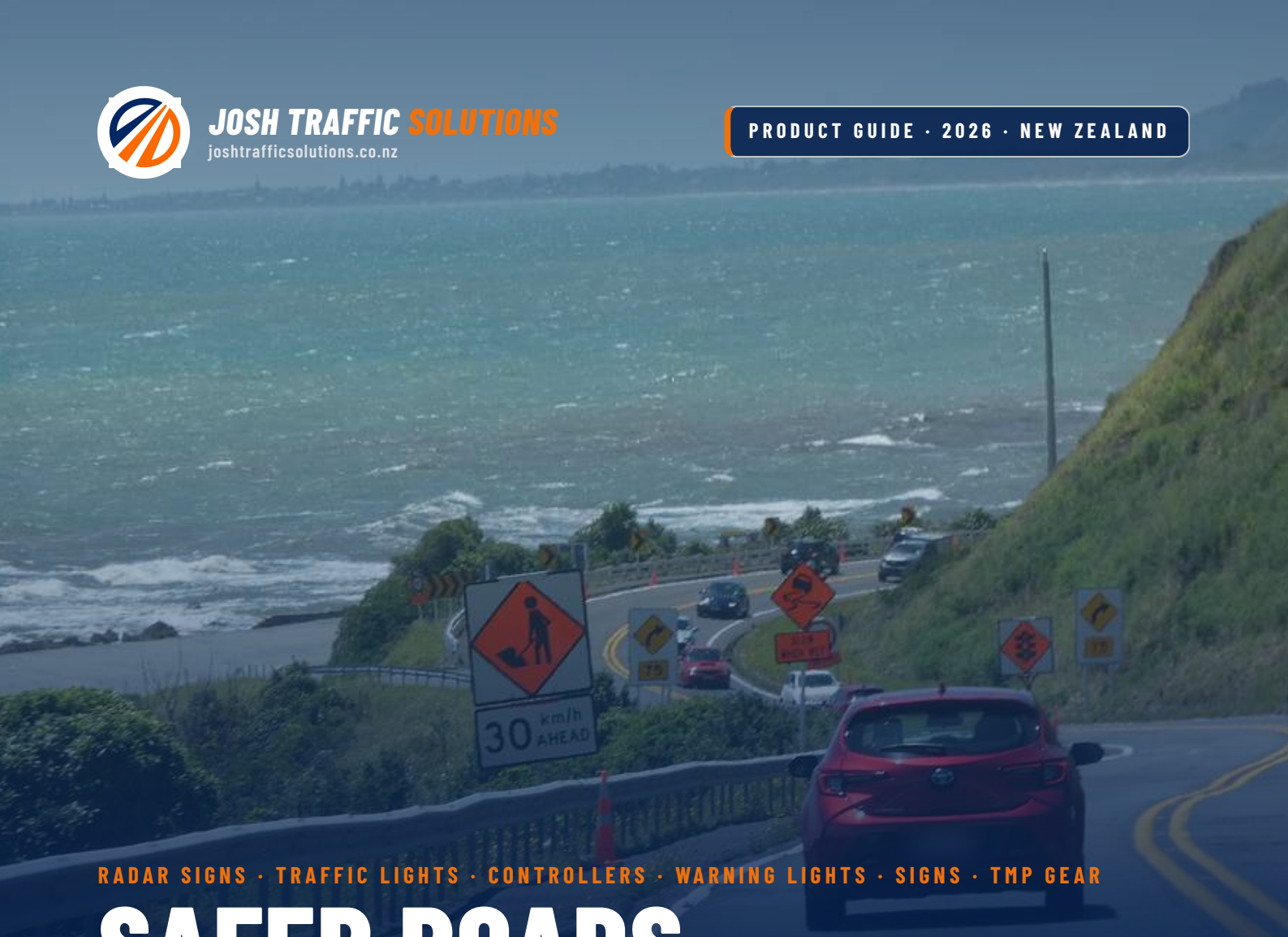
JOSH TRAFFIC SOLUTIONS
joshtrafficsolutions.co.nz

PRODUCT GUIDE · 2026 · NEW ZEALAND



RADAR SIGNS · TRAFFIC LIGHTS · CONTROLLERS · WARNING LIGHTS · SIGNS · TMP GEAR

SAFER ROADS. NZ SUPPORTED. BUILT TO SPEC.

Radar speed signs, traffic lights and signal controllers, solar warning lights, LED and reflective signs, and TMP crew gear for New Zealand traffic management crews, contractors, councils, schools and private sites — supplied and supported from Auckland.

REQUEST A QUOTE | NZ SUPPORT | CUSTOMISED TO YOUR SITE | SHORT LEAD TIMES | SAFETY & STANDARDS FIRST

022 566 1135
joshtrafficsolutions.co.nz

Josh Traffic Solutions
a division of Joshua Enterprises Limited
Auckland, New Zealand
GST 145-260-698

WHY JOSH TRAFFIC SOLUTIONS

DIRECT TO YOU. NZ SUPPORT. NO MIDDLEMEN.

We supply traffic safety equipment built to order and sell it direct to New Zealand buyers. You don't pay for distributor layers, you can brand and configure the product to suit your job, and you have a real person in Auckland who answers the phone.

01

DIRECT SUPPLY, QUOTED PER JOB

Every line comes straight from us, with no distributor, wholesaler or reseller layers in between. Send a request for quote with your quantities and we'll reply with a written quote.

02

BUILT TO ORDER

Every unit is built and tested to order for your job, so we control the specification, the parts and the schedule. We aren't reselling someone else's stock.

03

CUSTOMISED TO YOUR SITE

Sign size, housing colour, text, LED colour, speed thresholds, solar and battery sizing, mounting and your own logo.

04

SHORT LEAD TIMES

Lead times are set out in the written quote for each job, and standard production runs typically take 1–2 weeks, plus delivery time. Every quote comes with a confirmed date.

05

SAFETY & STANDARDS FIRST

Products are configured for NZ practice under the NZGTTM, the TCD Rule and NZTA guidance, and we work through the NZ radio and electrical requirements for each product before we supply it. On a public road, you know exactly where the product stands.

06

BACKED IN AUCKLAND

Set-up help, programming, spare parts and warranty claims all go through one local contact. We'll walk you through the app, remote and threshold settings before your sign goes live.

Written	1 contact	1–2 wks	2 years
quote for every job, to your spec and site	for quotes, set-up and support in Auckland	typical standard production run*	main-unit warranty on radar speed signs (1 yr battery)*

*Typical figures. Delivery time to your site depends on the product and quantity. Large or custom orders may take longer. Your quote states the actual dates and warranty terms.

CERTIFICATIONS & RATINGS

Product credentials · copies on request

- **ISO 9001** — QUALITY MANAGEMENT
- **ISO 14001** — ENVIRONMENTAL MGMT
- **CE** — EU CONFORMITY
- **RoHS** — RESTRICTED SUBSTANCES
- **EN 12368** — LED SIGNAL HEADS
- **IP54–IP65** — INGRESS PROTECTION

ISO 9001 and ISO 14001 cover quality and environmental mgmt. CE and RoHS apply to the radar sign, signal and LED ranges as marked; EN 12368 to LED signal heads/modules; IP ratings are per product (see each spec table). **These are product credentials, not NZTA approvals.** See page 3 for how each product fits NZ rules.



Roadworks, Harris Street, Wellington

BUILT FOR AOTEAROA NEW ZEALAND

WHERE OUR PRODUCTS FIT NZ RULES

New Zealand's temporary traffic management has moved to a risk-based approach. That favours equipment that keeps people out of the live lane, slows drivers down and makes a site visible day and night, which is exactly what our solar, radar and LED range does.

NZGTTM NOW IN FORCE

The NZ Guide to Temporary Traffic Management replaces CoPTTM. NZTA projects have applied it since 1 Oct 2025, and most road controlling authorities have required it for new applications since 1 July 2026. Controls are chosen on risk, and speed feedback and active warning are part of the toolkit.

SCHOOL SPEEDS 1 JULY 2026

Under the Setting of Speed Limits Rule 2024, councils have been rolling out variable speed limits outside schools, with electronic signs on busier roads. Speed feedback and flashing school-zone signs back that up at the gate.

SPEED INDICATORS NZTA GUIDANCE

NZTA's active warning sign standard and Traffic Note 23 set out where a "YOUR SPEED" device goes and how it behaves: display from 20 km/h below the limit, and SLOW DOWN no more than 10 km/h over. Our signs ship programmable to these defaults.

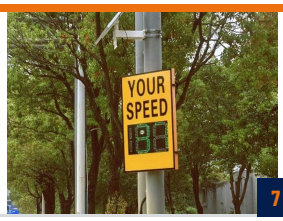
HOW EACH PRODUCT LINE FITS

PRODUCT LINE	NZ FIT	TYPICAL NZ USE & WHAT APPLIES
Solar "YOUR SPEED" speed indicator sign	Established in NZ	Town thresholds, school approaches, rural communities. Set up to NZTA SID guidance (Traffic Note 23 / AWRS). Permanent installs on public roads need RCA sign-off.
Portable solar radar speed sign	Established in NZ	Worksite speed compliance and temporary speed limits. Deploy as a control measure in the site TMP under NZGTTM.
Smiley-face driver feedback sign	Newer to NZ	Private roads, school grounds, retirement villages, campuses, car parks. NZ trialled smiley feedback on public roads in 2024 under a gazetted TCD trial. Public-road use only where the RCA permits it.
Solar amber flashing warning light	Established in NZ	Hazards, intersections, site entries, school zones. Use with the correct TCD sign, or as a site hazard marker under the TMP.
Solar LED flashing sign (custom face)	Compliance pathway	Faces made to NZ TCD Rule layouts on request. Any legend or layout on a public road must be one the TCD Rule or a gazette notice allows.
LED batons & hand-held signals	Established in NZ	Night and low-light visibility for TTM crews and marshals. Supplements, never replaces, the required STOP/GO signs.
Remote & self-timed site signals	Private sites only	Quarries, yards, depots, car parks, private roads. **Not for public-road shuttle control.** Portable signals there must be AS 4191-certified and on NZTA's register.

RANGE OVERVIEW

38 PRODUCT LINES · 6 CATEGORIES

Every line below is built to order, customised to your site (size, face, colour, power) and supplied by request for quote. Quote the product code in your enquiry.



7 lines

RADAR SPEED SIGNS

Fixed, portable and feedback (smiley) speed indicator signs

- **JTS-SID** Solar YOUR SPEED speed...
- **JTS-PSS** Portable solar radar speed...
- **JTS-FB** Smiley-face driver feedback...
- **JTS-SID-L** Lightweight IP65 radar speed...
- **JTS-SID-M** Message-display radar sign...
- **JTS-SPL-R** Radar speed-limit sign with...
- **JTS-SID-X** Large radar sign with...



12 lines

TRAFFIC LIGHTS

Signal heads, portable / self-timed lights, pedestrian, cycle, lane control, countdowns

- **JTS-SITE** Remote-control & self-timed...
- **JTS-TL-AUTO** Self-timed 200 mm signal...
- **JTS-TL-RYG** Red / amber / green LED...
- **JTS-TL-MINI** Compact full-ball signal light
- **JTS-TL-ARW** Arrow & directional LED...
- **JTS-LCS** Lane-control signal — red X...
- **JTS-MOD** LED signal modules (retrofit...
- **JTS-PED** Pedestrian signals with...
- **JTS-BIKE** Bicycle signals
- **JTS-PB** Pedestrian push buttons
- **JTS-CDT** LED countdown timers
- **JTS-RCD** Remote-control countdown light



3 lines

SIGNAL CONTROLLERS

Solar wireless, mains intersection and economy controllers

- **JTS-CTL-S** Solar wireless signal...
- **JTS-CTL-EC** Intersection signal...
- **JTS-CTL-A** Economy 44-output signal...



6 lines

WARNING LIGHTS

Solar amber flashers, beacons, strobes and road studs

- **JTS-AWL** Solar amber flashing warning...
- **JTS-BCN** Solar magnetic flashing beacon
- **JTS-STR** Magnetic LED strobe...
- **JTS-PLB** Plant / forklift LED beacon
- **JTS-STUD** Solar LED road stud
- **JTS-STUD-H** Heavy-duty cast-aluminium...



6 lines

TRAFFIC SIGNS

Flashing LED warning and regulatory-style signs, reflective aluminium signs

- **JTS-SLS** Solar LED flashing sign,...
- **JTS-LED-W** Solar LED warning signs
- **JTS-PXW** Solar LED...
- **JTS-SPL** Solar LED speed-limit /...
- **JTS-GUIDE** Solar LED chevron / guidance...
- **JTS-SIGN** Reflective aluminium signs...



4 lines

TMP / TTM CREW GEAR

Batons, LED STOP/GO, cones and drums for traffic management crews

- **JTS-TMO** LED traffic batons &...
- **JTS-BAT** Rechargeable LED traffic...
- **JTS-SS** Handheld LED STOP / SLOW signs
- **JTS-CONE** Rubber & PE traffic cones...

RADAR SPEED SIGNS







CE · RoHS · IP54

OUR TOP PICK FOR COUNCILS & SCHOOLS

SOLAR "YOUR SPEED" SPEED INDICATOR SIGN

Shows each approaching driver their own speed, then switches to SLOW DOWN when they're over. A proven way to bring speeds down at thresholds and school approaches, with no trenching or mains power needed.

KEY FEATURES

- ✓ 24.15 GHz K-band Doppler radar reads approaching vehicles from up to 200 m
- ✓ Green digits under the limit; flashing red digits and SLOW DOWN when over
- ✓ 2-digit (to 99 km/h) or 3-digit (to 199 km/h) high-brightness LED, auto day/night dimming
- ✓ 3-in-1 set-up: Bluetooth app, handheld remote or on-board panel
- ✓ Solar (no trenching, no power bill) or mains; one-button km/h ↔ mph
- ✓ Custom size, housing colour, text, LED colour and your logo

Best for: Councils/RCAs, school approaches, town thresholds, rural communities; semi-permanent TTM

PRODUCT DIMENSIONS 1100 × 700 × 70 mm · 900 × 600 × 70 mm · 750 (700) × 500 × 70 mm · custom sizes on request

SPECIFICATIONS	
Radar frequency	24.15 GHz Doppler (K-band)
Detection range	Up to 200 m
Accuracy	±2 km/h
Speed range	1–99 km/h (2-digit) · 1–199 km/h (3-digit)
Display	Red/green LED digits + SLOW DOWN message
Set-up	Bluetooth app · remote · panel; thresholds, brightness, messages
Solar version	18 V / 80 W panel + 11.1–12 V 20 Ah lithium battery
Autonomy	≈3–5 rainy days (traffic dependent)
Mains version	220 V AC ±20% (suits NZ 230 V)
Materials	Galvanised steel or aluminium, engineering-grade reflective sheeting
Housing colour	Yellow standard · black, white, blue
IP rating	IP54 or better
Operating temp.	–20 to +70 °C
Weight	On request (size dependent)
Warranty	2 yrs main unit · 1 yr battery

FULL SPECS & QUOTE ON REQUEST

joshtrafficsolutions.co.nz/contact

Datasheets, drawings and a written quote — call or text 022 566 1135.

REQUEST A QUOTE

Quote ref **JTS-SID**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

RADAR SPEED SIGNS

JTS-PSS







CE · RoHS · IP65

FOR TTM CREWS & WORKSITES

PORTABLE SOLAR RADAR SPEED SIGN

A freestanding speed feedback sign you can move to wherever speeds are a problem. On site in minutes, and it moves as the job moves.

KEY FEATURES

- ✓ Speed-limit roundel and YOUR SPEED display on one board
- ✓ 24.15 GHz radar, 0–200 m, accuracy better than 2 km/h; one or two lanes
- ✓ Red/green LED pixels; 2- or 3-digit display
- ✓ Slim 'backpack' version: zero wiring, tool-free mount, IP65, light to carry
- ✓ Solar or mains; parameters set by app
- ✓ Roundel face made with the NZ temporary speed limit layout

Best for: TTM crews, contractors, temporary speed limits, events, detours

PRODUCT DIMENSIONS W 500 × H 700 mm · W 600 × H 1200 mm · W 700 × H 1200 mm · slim panel 750 × 550 × 120 mm · custom

SPECIFICATIONS	
Radar frequency	24.15 GHz
Detection range	0–200 m (≥150 m measuring)
Accuracy	< 2 km/h
Speed range	1–199 km/h
Display	2/3-digit LED, red + green pixels
Visibility	≥ 200 m
Power	Solar battery or mains
Slim version solar	18 V / 80 W panel, ≈3–5 rainy days
Materials	Galvanised steel + reflective sheeting (slim: galvanised sheet or aluminium)
IP rating	IP65 (slim & white versions)
Operating temp.	–20 to +70 °C
LED life	> 100,000 h
Mounting	Freestanding stand; cart/trailer/post scoped on request
Weight	On request

FULL SPECS & QUOTE ON REQUEST

joshtrafficsolutions.co.nz/contact

Datasheets, drawings and a written quote — call or text 022 566 1135.

REQUEST A QUOTE

Quote ref **JTS-PSS**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: A speed-management control in your NZGTTM risk assessment and TMP. Data logging is confirmed per model on your quote.

DRIVER FEEDBACK

JTS-FB







CE RoHS IP54

NEW TO NZ · PRIVATE & COMMUNITY ROADS

SMILEY-FACE DRIVER FEEDBACK SIGN

A green smile when drivers are under the limit, red digits and a sad face when they're not. It changes behaviour without a word.

KEY FEATURES

- ✓ Speed digits plus smiley / sad face feedback
- ✓ Strobe-alert version flashes at speeders; visible beyond 400 m
- ✓ Adaptive brightness: brighter by day, dimmer at night
- ✓ Clamp or column mounting; simple maintenance
- ✓ Solar or AC power; keeps running through rainy spells
- ✓ THANK YOU / SLOW DOWN text and school-zone screen options

Best for: School grounds, retirement villages, subdivisions, campuses, private roads, car parks

PRODUCT DIMENSIONS Compact panel 585 × 465 mm · strobe version 1380 × 600 × 70 mm (LED display 370 × 470 mm) · custom

SPECIFICATIONS	
Radar frequency	24.15 GHz
Detection range	> 150 m (up to 200 m)
Accuracy	< 2 km/h
Speed range	1–99 km/h (2-digit) · to 199 km/h (3-digit)
Display	Red/green LED digits + face icons
Visibility	200 m (compact) · > 400 m (strobe version)
Solar (strobe version)	80 W panel + 12 V 30 Ah battery, ≈3–5 rainy days
Mains	AC (220 V ±20%)
Materials	Galvanised steel/aluminium, engineering-grade film
Housing	Black standard · yellow, white, blue
IP rating	IP54
Operating temp.	–20 to +70 °C
Weight	On request

FULL SPECS & QUOTE ON REQUEST

joshtrafficsolutions.co.nz/contact

Datasheets, drawings and a written quote — call or text 022 566 1135.

REQUEST A QUOTE

Quote ref **JTS-FB**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: Ready to go on private roads and grounds. NZ ran a gazetted public-road trial of smiley feedback in 2024, so on a public road use it only where the RCA allows.

RADAR SPEED SIGNS

JTS-SID-L



LIGHTWEIGHT IP65 RADAR SPEED SIGN

- ✓ 24 GHz radar, visible from 200 m+
- ✓ Light galvanised or aluminium body, quick pole mount
- ✓ 18 V / 80 W solar panel, 3–5 rainy days autonomy
- ✓ Mains option; custom face and colours

Best for: Rural roads, subdivisions, farm and quarry entrances

CE IP65

DIMENSIONS 750 × 550 × 120 mm (custom sizes)

SPECIFICATIONS

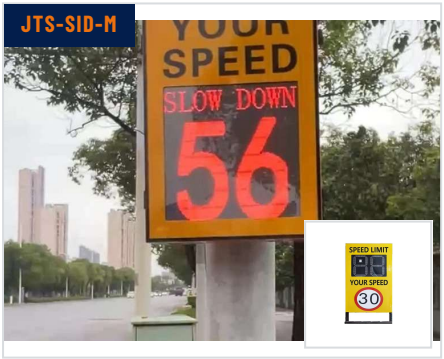
Size	750 x 550 x 120 mm/Customizable	**Radar frequency**	24 GHz
Visible distance	≥ 200 meters	**Material**	Galvanized sheet / can be made of aluminum
Power supply	Solar battery or main power	**Solar panel specification**	18V / 80W
Battery operation duration	approximately 3-5 days in continuous rainy weather (depending...		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SID-L · 022 566 1135

NZ USE: Use as a speed indicator device (SID) under NZTA Traffic Note 23 guidance.

JTS-SID-M



MESSAGE-DISPLAY RADAR SIGN (SLOW DOWN)

- ✓ P3 dot-matrix LED shows speed plus SLOW DOWN / THANK YOU text
- ✓ Green under the limit, red over (set per site)
- ✓ ≤10 W total draw — solar or mains
- ✓ Messages and thresholds set to your brief

Best for: Town thresholds, curves, school approaches

CE IP65

DIMENSIONS 700 × 500 × 130 mm (custom sizes)

SPECIFICATIONS

Display	P3 dot-matrix, 2 digits (1–99 km/h) + text	**Size**	700*500*130mm/ customized
Material	Galvanized Steel+led light+ reflective sheeting	**Measuring distance**	>200m
Maximum display speed	two digits 99km/h, with a minimum starting speed of 1km/h...	**Power supply**	Solar battery or main power
Overall power	<= 10W	**Speed limit mode**	Adjustable. Green speed value is displayed when not exceeding...

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SID-M · 022 566 1135

NZ USE: NZ message wording and thresholds set to the AWRS / Traffic Note 23 guidance before dispatch.

RADAR SPEED SIGNS

JTS-SPL-R



RADAR SPEED-LIMIT SIGN WITH YOUR SPEED DISPLAY

- ✓ Static speed-limit roundel plus live YOUR SPEED digits
- ✓ White or bicolour LED, 2 or 3 digits
- ✓ Solar or mains; 100,000 h LED life
- ✓ 2-yr unit / 1-yr battery warranty

Best for: Councils, schools, private roads, campuses

CE IP65

DIMENSIONS 500 × 700 mm (custom sizes)

SPECIFICATIONS

Size	W 500x H 700 mm/ customized	**Material**	Galvanized Steel+led light+ reflective sheeting
Measuring distance	>150m	**Display mode**	2-digit LED Display(optionally)
Power supply	Solar battery or main power	**Work temperature**	-20 °C-+ 70 °C
Protection grade	IP65	**Measurement range from**	1-199km/h

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SPL-R · 022 566 1135

NZ USE: Limit roundel must match the legal limit; layout confirmed with the RCA.

JTS-SID-X



LARGE RADAR SIGN WITH FLASHING OVER-SPEED ALERT

- ✓ Flashing alert and smile/sad face for over-speed drivers
- ✓ 2 or 3-digit display, adaptive day/night brightness
- ✓ Solar battery runs 3–5 rainy days
- ✓ Large 1380 mm panel for high-speed roads

Best for: State-highway-style approaches, 70–100 km/h roads

CE RoHS

DIMENSIONS 1380 × 600 × 70 mm (custom sizes)

SPECIFICATIONS

Size	1380mm*600mm*70mm/ customized	**Material**	Galvanized Steel+led light+ reflective sheeting
Maximum display speed	two digits 99km/h, with a minimum starting speed of 1km/h...	**Display mode**	2/3-digit LED Display(optionally)
Power supply	Solar battery or main power	**Adaptive brightness**	Increased brightness during the day and decreased brightness...
Solar power supply battery duration	About 3 to 5 days of continuous rainy days (depending on the...	**Measurement range from**	1-199km/h

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SID-X · 022 566 1135

PRIVATE SITE CONTROL

JTS-SITE







CE · RoHS · EN 12368 · IP53+

YARDS · QUARRIES · DEPOTS · CAR PARKS

REMOTE-CONTROL & SELF-TIMED SITE SIGNALS

Red/green LED signals for site gates, one-lane haul roads, weighbridges, wash bays and loading docks. Switch them by handheld remote, or let the built-in timer and countdown run the cycle.

KEY FEATURES

- ✓ Handheld remote switching in under 100 ms
- ✓ Self-timed unit: built-in controller, adjustable red/green times
- ✓ Countdown digits option
- ✓ High-brightness red 625 nm / green 505 nm LEDs
- ✓ Battery/solar pack (remote unit) or mains (timed unit)
- ✓ 3-aspect, arrow and lane-control heads also available

Best for: Quarries, yards, depots, weighbridges, wash bays, loading docks, private roads

PRODUCT DIMENSIONS — Aspect Ø200 mm or Ø300 mm · custom housings on request

SPECIFICATIONS	
Remote unit supply	12 V DC, ≤1 A (battery or solar pack)
Remote range	10–30 m
Switching	< 100 ms
Timed unit supply	220 V AC ±20% (electrician installed)
Power draw	Signal ≤6 W · countdown ≤10 W
Wavelength	Red 625 nm · green 505 nm
Insulation	≥ 500 MΩ
IP rating	IP53 or better
Operating temp.	−40 to +80 °C
Weight	On request

FULL SPECS

The full datasheet and drawings for this product are available on request. Ask us and we'll send them with your written quote.

REQUEST A QUOTE

Quote ref **JTS-SITE**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

IMPORTANT: For private sites and internal roads only. Portable signals used for shuttle control on a public road must be AS 4191-certified and on NZTA's register. These units are not.

TRAFFIC LIGHTS

JTS-TL-AUTO



SELF-TIMED 200 MM SIGNAL WITH COUNTDOWN

- ✓ Built-in controller — no separate signal controller
- ✓ Set red and green times up to 999 s each
- ✓ Keeps settings after power loss
- ✓ Red full-ball, countdown and green full-ball heads

Best for: Private sites, car parks, quarries, events, training yards

CE · RoHS · IP53

DIMENSIONS Ø200 mm or Ø300 mm heads

SPECIFICATIONS

Size	200 mm/ 300 mm/ customized	**Voltage range**	AC220V±20%
Signal light power	≤6w	**Countdown power**	≤10w
Work temperature	-40 °C-+ 80 °C	**Protection grade**	≥IP53

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-TL-AUTO · 022 566 1135

NZ USE: Private sites only. Public-road portable signals must be AS 4191 certified and on NZTA's register.

JTS-TL-RYG



RED / AMBER / GREEN LED SIGNAL HEADS

- ✓ Ultra-bright LEDs, >500 m view distance
- ✓ PC or die-cast aluminium housings
- ✓ 12–24 V DC or 176–264 V AC
- ✓ Vertical or horizontal; mix-and-match aspects

Best for: Private intersections, depots, ports, mines, test tracks

CE · RoHS · EN 12368 · IP53

DIMENSIONS Ø100 / 200 / 300 mm aspects (custom)

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	≤8W	**Service life**	>50,000hours

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-TL-RYG · 022 566 1135

NZ USE: Public-road signals must meet NZ standards and be specified by the RCA — we quote to that spec.

TRAFFIC LIGHTS

JTS-TL-MINI



COMPACT FULL-BALL SIGNAL LIGHT

- ✓ Small, light and low-power (≤6 W per aspect)
- ✓ Red, amber and green full-ball faces
- ✓ 12–24 V DC or AC supply
- ✓ Wall, pole or bracket mount

Best for: Car-wash bays, loading docks, gates, driver training

CE IP53

DIMENSIONS Ø100 / 200 / 300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	≤6W	**Service life**	>50,000hours

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-TL-MINI · 022 566 1135

NZ USE: Off-road and site use.

JTS-TL-ARW



ARROW & DIRECTIONAL LED SIGNALS

- ✓ Left / straight / right arrow faces
- ✓ Red, amber, green arrows in one housing
- ✓ Solar-wireless option for remote sites
- ✓ IP53 sealed PC housing

Best for: Site entries, depots, port and yard lanes

CE EN 12368 IP53

DIMENSIONS Ø100 / 200 / 300 mm aspects

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	≤8W	**Service life**	>50,000hours

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-TL-ARW · 022 566 1135

NZ USE: Public-road use to the RCA's signal spec only.

TRAFFIC LIGHTS

JTS-LCS



LANE-CONTROL SIGNAL — RED X / GREEN ARROW

- ✓ Red cross and green arrow in one housing
- ✓ Low power (≤6 W) LED arrays
- ✓ Square 600 × 600 mm or round aspects
- ✓ For tunnels, toll lanes, bridges and gates

Best for: Car-park barriers, weighbridges, ferry/port lanes, tunnels

CE · IP53

DIMENSIONS 600 × 600 mm square, or Ø100–300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	≤6W	**Service life**	>50,000hours

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-LCS · 022 566 1135

NZ USE: Lane-use signals on public roads must follow the TCD Manual — confirm with the RCA.

JTS-MOD



LED SIGNAL MODULES (RETROFIT CORES)

- ✓ Drop-in LED cores for existing signal heads
- ✓ Red, amber or green; uniform optical lens
- ✓ Low power, 100,000 h+ lifespan
- ✓ 12/24 V DC or 220 V AC versions

Best for: Maintenance contractors, asset owners, spares stock

EN 12368 · CE · RoHS

DIMENSIONS Ø100 / 200 / 300 mm

SPECIFICATIONS

Housing material	High-Strength Polycarbonate (PC), UV Stabilizedg	**LED color**	Red / Yellow / Green
Light source	High Power LED	**Size**	100mm/200mm/300mm/ customized
Operating voltage	DC12V/24V,AC220V	**Measuring distance**	1-600m
Shell material	PC	**Work temperature**	-20 °C-+ 60 °C

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-MOD · 022 566 1135

NZ USE: Supply to the asset owner's spec; check fit and photometrics before rollout.

TRAFFIC LIGHTS

JTS-PED



PEDESTRIAN SIGNALS WITH COUNTDOWN

- ✓ Red stand / green walk figures
- ✓ Optional countdown digits
- ✓ Solar version available
- ✓ 12–24 V DC or 176–264 V AC

Best for: Private campuses, retail car parks, events

CE · EN 12368 · IP53

DIMENSIONS Ø100 / 200 / 300 mm

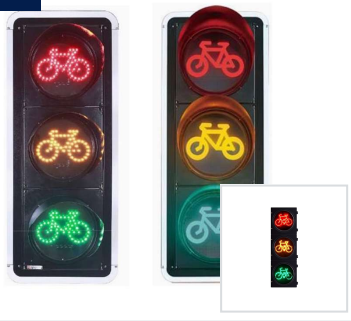
SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	**Material**	PC engineering plastic/die-cast aluminium
LED wavelength	Red(625nm)Green(505nm)	**LED light angle**	30°
Power type	Pattern: Constant current;Countdown: Constant voltage	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	Pattern:≤12W;Countdown:≤20W	**Service life**	>50,000hours

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-PED · 022 566 1135

JTS-BIKE



BICYCLE SIGNALS

- ✓ Bicycle symbol in red / amber / green
- ✓ Optional countdown, solar powered option
- ✓ High-brightness LED, >500 m view
- ✓ Pole or bracket mount

Best for: Cycleways, shared paths, campus routes

CE · IP53

DIMENSIONS Ø100 / 200 / 300 mm

SPECIFICATIONS

Diameter	100mm/200mm/300mm / customized	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	≤8W	**Service life**	>50,000hours

FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-BIKE · 022 566 1135

NZ USE: Cycle signals on roads follow the TCD Manual — supply to the RCA's spec.

TRAFFIC LIGHTS

JTS-PB



PEDESTRIAN PUSH BUTTONS

- ✓ Stainless-steel button, aluminium or steel housing
- ✓ Tactile / arrow face options
- ✓ IP55–IP65 sealed
- ✓ 7.4 V, 12 V or 230 V versions

Best for: Private crossings, signal upgrades, spares

ISO 9001 | ISO 14001 | IP65

DIMENSIONS 220 × 120 × 80 mm

SPECIFICATIONS

Size	22*12*8cm	**Material**	Stainless steel button + Aluminum alloy housing
Power supply	7.4V, 12V	**Operating temperature**	-40°C~+80°C
Ip rate	IP55	**Environment temperature**	-40°C~ +70°C
Housing material	Cold-rolled Steel	**Working voltage**	AC220V

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-PB · 022 566 1135

NZ USE: Match to the controller and NZ accessibility needs.

JTS-CDT



LED COUNTDOWN TIMERS

- ✓ 2 or 3 digit red / green countdown
- ✓ Pairs with signal heads or controllers
- ✓ PC or aluminium housing
- ✓ Large-format 800 × 600 mm option

Best for: Private sites, ports, loading zones

CE | IP53

DIMENSIONS Ø300 mm, 500 mm, 800 × 600 mm (custom)

SPECIFICATIONS

Diameter	100mm/200mm/300mm/Customized Size	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC176~264V
Single light rated power	≤15W	**Service life**	>50,000hours

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-CDT · 022 566 1135

NZ USE: Countdowns are not standard on NZ public signals — site use or to RCA spec.

TRAFFIC LIGHTS

JTS-RCD



REMOTE-CONTROL COUNTDOWN LIGHT

- ✓ Change red / green from a handheld remote
- ✓ Built-in countdown display
- ✓ Low power 12 V (≤5 W)
- ✓ Indoor or outdoor (IP53)

Best for: Cool stores, wash bays, gates, workshops

CE IP53

DIMENSIONS Ø221 / 235 mm

SPECIFICATIONS

Diameter	221mm/235mm	**Material**	PC engineering plastic/die-cast aluminium
LED wave length	Red (625nm) Yellow (590nm) Green (505nm)	**LED light angle**	30°
Power type	Constant current	**Operating voltage**	DC12~24V,AC175~285V
Single light rated power	≤5W	**Voltage**	12V

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-RCD · 022 566 1135

NZ USE: Private-site use.

NOT SEEING THE EXACT MODEL?

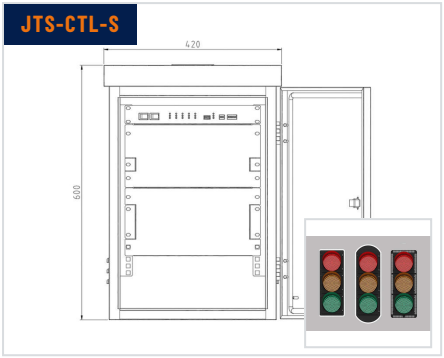
MORE TRAFFIC LIGHTS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE
022 566 1135 · joshtrafficsolutions.co.nz

SIGNAL CONTROLLERS

JTS-CTL-S



SOLAR WIRELESS SIGNAL CONTROLLER

- ✓ Solar-powered — no trenching or mains
- ✓ Wireless link to each signal head
- ✓ 24 V DC outputs, 3 A each (self-resetting fuse)
- ✓ Main ≤5 W, slave ≤2.5 W

Best for: Temporary sites, remote intersections, private networks

CE | GB 25280

DIMENSIONS Cabinet size on request

SPECIFICATIONS

Each signal output	3A/24VDC (built-in self-resetting fuse)	**Working range**	20-29VDC
Power consumption	Main controller ≤5W; From the controller ≤2.5W (excluding the...	**Working environment temperature**	-40 to +70°C
Environmental relative humidity	40% -95%		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-CTL-S · 022 566 1135

NZ USE: Public-road use requires RCA approval and NZ standard compliance.

JTS-CTL-EC



INTERSECTION SIGNAL CONTROLLER (MAINS)

- ✓ Works with all standard LED signal heads
- ✓ Data collection and adaptive timing
- ✓ 3 A / 220 V AC outputs (fused)
- ✓ ≤40 W draw (excl. lamps)

Best for: Private networks, ports, industrial estates

CE | GB 25280

DIMENSIONS 650 × 520 × 1000 mm · 62 kg

SPECIFICATIONS

Supply	176-264 V AC 50/60 Hz	**Weight**	62 kg
Size	650*520*1000mm	**Power supply**	Solar battery or main power
Work temperature	-40 °C-+ 70 °C		

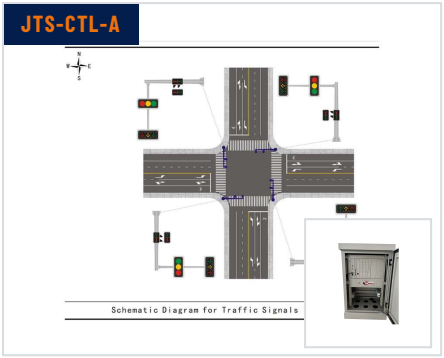
FULL SPECS & QUOTE ON REQUEST
joshtrafficsolutions.co.nz/contact
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-CTL-EC · 022 566 1135

NZ USE: Mains install by a registered electrician; NZ electrical compliance before supply.

SIGNAL CONTROLLERS

JTS-CTL-A



ECONOMY 44-OUTPUT SIGNAL CONTROLLER

- ✓ 44 signal outputs, 5 A / 220 V AC each
- ✓ LCD screen set-up
- ✓ RS-232, RS-485 and Ethernet ports
- ✓ Yellow flash 60/min fail-safe mode

Best for: Single intersections on private networks

CE · GB 25280

DIMENSIONS Cabinet size on request

SPECIFICATIONS

Display form	LCD screen	**Signal output**	It is standardly equipped with 44 signal output channels, and...
Communication interfaces	It provides RS-232 and RS485 communication interfaces, as well...	**Yellow flash frequency**	The frequency of the yellow flash signal is 60 times per...
Working voltage	AC176-264V 50±2HZ	**Work temperature**	-40 °C-+ 70 °C
Working humidity	≤95%		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-CTL-A · 022 566 1135

NZ USE: Mains install by a registered electrician; NZ electrical compliance before supply.

NOT SEEING THE EXACT MODEL?

MORE SIGNAL CONTROLLERS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE
022 566 1135 · joshtrafficsolutions.co.nz

SOLAR WARNING LIGHTS

JTS-AWL







CE IP65

NO CABLES · NO POWER BILLS

SOLAR AMBER FLASHING WARNING LIGHT

A self-contained amber flasher with its own solar panel and battery. Draws attention to intersections, curves, school zones, site entries and hazards, day and night. Magnetic beacons and solar road studs complete the range.

KEY FEATURES

- ✓ Amber 590 nm high-flux LEDs with sun visor
- ✓ Built-in light sensor: automatic dusk-to-dawn operation
- ✓ Solar panel + maintenance-free battery; mains/DC versions too
- ✓ Pole mount; plastic or aluminium housing
- ✓ Magnetic solar beacon: 50 h on a full charge, IP65, 5 colours
- ✓ Solar LED road studs: aluminium alloy + PC, IP65, 500 m

Best for: Councils, TTM crews, site entries, intersections, curves, school zones

PRODUCT DIMENSIONS Flasher Ø200 · Ø300 · Ø400 mm aspect (100 mm on request) · beacon 124 × 106 mm · road stud 105 × 97 × 24 mm

SPECIFICATIONS	
LEDs (flasher)	90 / 144 / 198 amber, 590 nm ±3 nm
Power draw	≤3 W / ≤5 W / ≤8 W by size
Solar / battery	9 V 5 W or 18 V 8 W panel · 6 V 5 Ah or 12 V 7 Ah battery
Mains / DC	AC 220/110 V ±20% or DC 12–24 V
Visibility	100 mm ≥300 m · 200 mm ≥500 m · 300 mm ≥800 m
Beacon	ABS + PC · IP65 · 500 m · magnetic or screw mount · –20 to +60 °C
Road stud	2 V/120 mAh mono solar · 1.2 V 800 mAh NiMH · IP65 · –20 to +70 °C
Colours	Amber standard; beacon/stud red, yellow, green, blue, white
Weight	On request

FULL SPECS

The full datasheet and drawings for this product are available on request. Ask us and we'll send them with your written quote.

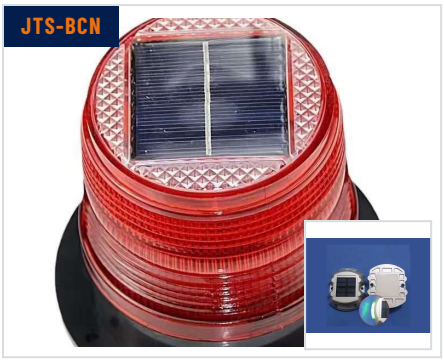
REQUEST A QUOTE

Quote ref **JTS-AWL**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: Pair it with the correct TCD warning sign on a public road, or use it as a hazard marker on site under your TMP.

WARNING LIGHTS

JTS-BCN



SOLAR MAGNETIC FLASHING BEACON

- ✓ Charges by day, flashes automatically at night
- ✓ 50 h on a full charge
- ✓ Magnetic or screw mount
- ✓ Amber, red, green, blue or white

Best for: Cone tapers, barriers, hazards, site vehicles

CE IP65

DIMENSIONS 124 × 106 mm

SPECIFICATIONS

Size	124x106mm	**Material**	ABS+PC
Working time on full charge	50 hours	**Light source**	LED light
Waterproof and dust level	IP65	**Visual distance**	500M
Fixing method	magnetic, screw mounting	**Color**	Red/Yellow/Green/Blue/White

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-BCN · 022 566 1135

NZ USE: Use amber for TTM; colours to NZGTTM.

JTS-STR



MAGNETIC LED STROBE (12/24/230 V)

- ✓ Magnetic base for vehicles and plant
- ✓ 12, 24 or 230 V versions
- ✓ Optional ~85 dB alarm
- ✓ IP65 ABS / PC body

Best for: Utes, trailers, plant, gates

CE IP65

DIMENSIONS Ø109 × 48 mm

SPECIFICATIONS

Size	Diameter 109mm Length 48mm 109*48mm	**Material**	ABS+PC
Operating voltage	12/24/220/380V	**Limit voltage**	AC220/DC24/DC12V
Waterproof and dust level	IP65	**Visual distance**	500M
Volume	about 85dB	**Color**	Red/Yellow/Green/Blue/White

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-STR · 022 566 1135

NZ USE: Vehicle lighting must suit NZ vehicle rules — amber for work vehicles.

WARNING LIGHTS

JTS-PLB



PLANT / FORKLIFT LED BEACON

- ✓ 30 high-output LEDs (15 W)
- ✓ 12–30 V DC wide input
- ✓ Magnetic or bolt mount
- ✓ Red, amber or clear lens

Best for: Forklifts, loaders, yard vehicles

CE IP65

DIMENSIONS 125 × 60 × 72 mm

SPECIFICATIONS

Size	125*60*72MM	**Material**	ABS
Operating voltage	DC12V-30V	**Light source power**	15W
Waterproof and dust level	IP65	**Visual distance**	500M
LED quantity	30LED	**Color**	Red Amber Transparent

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-PLB · 022 566 1135

NZ USE: Site plant use.

JTS-STUD



SOLAR LED ROAD STUD

- ✓ Flashing or steady, 500 m+ visible
- ✓ Aluminium + PC, double-sided
- ✓ Charges by day, runs at night
- ✓ Red, amber, green, blue or white

Best for: Driveways, car parks, private roads, curves

CE IP65

DIMENSIONS 105 × 97 × 24 mm

SPECIFICATIONS

Size	105*97*24MM	**Material**	Aluminum alloy +PC
Power supply mode	2V/120MAH monocrystalline silicon	**Light source**	LED light
Waterproof and dust level	IP65	**Visual distance**	500M
Energy storage device	Rechargeable battery 1.2V/800MAH NI-MH high temperature...	**Color**	Red/Yellow/Green/Blue/White

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-STUD · 022 566 1135

NZ USE: Raised markers on public roads to the RCA's spec.

WARNING LIGHTS

JTS-STUD-H



HEAVY-DUTY CAST-ALUMINIUM ROAD STUD

- ✓ Cast aluminium shell, 20-tonne load rating
- ✓ IP68 sealed
- ✓ Flashes 50 times per minute
- ✓ 40 h run time on a full charge

Best for: Roundabouts, curves, truck yards, wharves

CE IP68

DIMENSIONS 103 × 103 × 23 mm

SPECIFICATIONS

Size	103*103*23(MM)	**Solar panel**	2V 180mA
Battery	1.2V, 300mAh	**Shell material**	Cast aluminum
Flashing frequency	50 times per minute	**Protection grade**	IP68
Load-bearing capacity	20 tons	**Visible distance**	>500 meters

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-STUD-H · 022 566 1135

NZ USE: Public-road markers to the RCA's spec.

NOT SEEING THE EXACT MODEL?

MORE WARNING LIGHTS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE
022 566 1135 · joshtrafficsolutions.co.nz

SOLAR LED SIGNS

JTS-SLS







CE IP65

SCHOOL ZONES · CROSSINGS · STOP · WRONG-WAY

SOLAR LED FLASHING SIGN, MADE TO YOUR FACE

A reflective aluminium sign with flashing LEDs and solar power built in, for a sign that can't afford to be missed. STOP, pedestrian crossing, school, wrong-way, chevron and speed-roundel faces, made to order.

KEY FEATURES

- ✓ Active flashing LEDs in the sign border/legend
- ✓ Solar panel and battery built in; no mains needed
- ✓ High-intensity prismatic / engineering-grade reflective sheeting
- ✓ Flashing or steady modes; light-sensor switching
- ✓ Fits existing poles
- ✓ Faces made to NZ TCD Rule layouts on request

Best for: Councils/RCAs, schools, private roads, developers

PRODUCT DIMENSIONS 600 · 800 · 1000 mm · STOP 600 × 600 mm · pedestrian 600 × 600 / 800 × 800 mm · chevron 400 × 1200 mm · custom

SPECIFICATIONS	
Supply	DC 12 V or DC 6 V (solar) · mains option
Solar panel	17 V / 3 W
Battery	12 V / 8 Ah
Autonomy	Up to 360 h without sun (model) · 3–5 cloudy days (STOP / crossing)
Visibility	> 800 m
LED colours	Amber, red or white
Materials	Aluminium plate + galvanised sheet, HIP sheeting
IP rating	IP65 (IP53+ STOP sign)
Operating temp.	−40 to +60 °C (STOP) · −30 to +60 °C (crossing)
Weight	On request

FULL SPECS

The full datasheet and drawings for this product are available on request. Ask us and we'll send them with your written quote.

REQUEST A QUOTE

Quote ref **JTS-SLS**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: We make faces to NZ TCD Rule layouts and sizes on request. On a public road, the legend must be one the TCD Rule or a gazette notice allows. Send us the sign code and we'll match it.

TRAFFIC SIGNS

JTS-LED-W



SOLAR LED WARNING SIGNS

- ✓ LED border flashing plus reflective face
- ✓ 17 V / 3 W panel, 12 V / 8 Ah battery
- ✓ 360 h operation in rainy weather
- ✓ Any NZ warning layout printed to order

Best for: Curves, hidden driveways, school and crossing warnings

CE IP65

DIMENSIONS 600 / 800 / 1000 mm (custom)

SPECIFICATIONS

Voltage	DC12V/DC6V	**Size**	600mm/800mm/1000mm / custom
Visual distance	>800m	**Working time in rainy days**	360 hours
Solar panel	17V/3W	**Battery**	12V/8AH
Waterproof class	IP65	**Material**	Aluminium& Galvanized sheet

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-LED-W · 022 566 1135

NZ USE: Faces printed to NZ TCD layouts; LED signs on public roads need RCA approval.

JTS-PXW



SOLAR LED PEDESTRIAN-CROSSING WARNING SIGN

- ✓ Ultra-bright LEDs, 800 m visible at night
- ✓ Solar or mains
- ✓ Engineering-grade reflective face
- ✓ IP65, –30 to +60 °C

Best for: Crossings, schools, kura, campus roads

CE IP65

DIMENSIONS 600 × 600 / 800 × 800 mm

SPECIFICATIONS

Size	Standard size: 60x60cm / 80x80cm/ customized	**Material**	Solar panels + LED light beads + aluminum plates +...
Working duration	3 to 5 consecutive days on cloudy days	**Power supply**	Solar battery or main power
Work temperature	-30 °C-+ 60 °C		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-PXW · 022 566 1135

NZ USE: Use NZ PW-series pedestrian symbols.

TRAFFIC SIGNS

JTS-SPL



SOLAR LED SPEED-LIMIT / HEIGHT-LIMIT ROUNDEL

- ✓ LED ring flashes or stays on
- ✓ Speed, height or no-entry roundels
- ✓ Solar or mains
- ✓ IP65, –40 to +60 °C

Best for: Temporary limits, car parks, height-restricted entries

CE IP65

DIMENSIONS 600 × 600 mm (custom)

SPECIFICATIONS

Size	Standard size: 60x60 cm/ customized	**Material**	Solar panels + LED light beads + aluminum plates +...
Protection level	IP65	**Operating temperature**	-40°C to 60°C
Power supply	Solar battery or main power	**Flickering mode**	Strobe / Constant brightness

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SPL · 022 566 1135

NZ USE: Speed-limit signs must reflect the legal limit — confirm with the RCA.

JTS-GUIDE



SOLAR LED CHEVRON / GUIDANCE SIGN

- ✓ Chevrons and arrows that light up
- ✓ Steady or flashing modes
- ✓ Solar or mains, fully waterproof
- ✓ Custom lengths and layouts

Best for: Curves, lane shifts, detours

CE IP65

DIMENSIONS 400 × 1200 mm (custom)

SPECIFICATIONS

Size	Rectangle 40 cm x 120 cm/ customized	**Material**	Solar panels + lamp beads + reflective film + aluminum plate
Work mode	Constantly on / Blinking	**Power supply method**	Utility power / Solar power
Waterproofing	Fully waterproof		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-GUIDE · 022 566 1135

NZ USE: Chevron (PW-67 style) layouts to NZ spec.

TRAFFIC SIGNS

JTS-SIGN



REFLECTIVE ALUMINIUM SIGNS (PRINTED TO LAYOUT)

- ✓ 1.2–3.0 mm aluminium
- ✓ Class I–IV reflective sheeting
- ✓ Screen, digital or UV print
- ✓ Any shape, any NZ layout

Best for: TTM sign sets, site signage, councils

IP65

DIMENSIONS To NZ TCD layout sizes

SPECIFICATIONS			
Thickness	1.2mm/1.5mm/2.0mm/3.0mm/custom	**Color**	Customized Color
Printing	Screen/Digital/UV Printing	**Reflective sheet**	I Grade -IV Grade
Shape	Triangle/ Rectangle /Octagon/ Square / Round	**Material**	Reflective sheeting + Aluminium Plate
Waterproof class	IP65		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SIGN · 022 566 1135

NZ USE: Printed to NZ TCD / NZGTTM layouts.

NOT SEEING THE EXACT MODEL?

MORE TRAFFIC SIGNS ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE
022 566 1135 · joshtrafficsolutions.co.nz

TRAFFIC MANAGEMENT CREWS

JTS-TMO







CE IP65

BE SEEN AT NIGHT & IN THE RAIN

LED TRAFFIC BATONS & HAND-HELD SIGNALS

Tough, rechargeable LED batons and flashing hand signals that make traffic controllers, marshals and school patrols far easier to see at dusk, at night and in bad weather.

KEY FEATURES

- ✓ One-button baton: press once flash, twice steady, three times off
- ✓ PC light column with ABS grip; rechargeable
- ✓ Flashing hand signal: PE shell, 3 m drop-tested, IP65
- ✓ Rope hole and waist hook for hands-free carry
- ✓ 200 m fog penetration (hand signal)
- ✓ NZ STOP/GO face layout made to order

Best for: Traffic controllers, TTM crews, marshals, school patrols

PRODUCT DIMENSIONS

Batons 26 · 29 · 36 · 54 cm · hand-signal paddles 30 · 45 · 60 cm · compact round signal

SPECIFICATIONS	
Baton colours	Red or green
Baton run time	≈15 h (54 cm rechargeable)
Baton visibility	800–2000 m
Baton IP / temp.	IP55 · −40 to +70 °C
Hand signal power	3.7 V Li-ion rechargeable
Flash rate	40–60 flashes/min
Hand signal IP	IP65 · 3 m drop-tested
Weight	On request

FULL SPECS

The full datasheet and drawings for this product are available on request. Ask us and we'll send them with your written quote.

REQUEST A QUOTE

Quote ref **JTS-TMO**. Tell us quantity, size, power, face/text and delivery site. Call or text 022 566 1135.

NZ USE: Adds visibility for TTM crews. Use alongside, not instead of, the STOP/GO signs your TMP and the TCD Rule require.

TMP / TTM CREW GEAR

JTS-BAT



RECHARGEABLE LED TRAFFIC BATONS

- ✓ One button: on, flash, off
- ✓ Visible 800–2000 m
- ✓ ABS handle, PC tube; IP55
- ✓ Red, amber or blue

Best for: Spotters, controllers, night works, events

CE IP55

DIMENSIONS 26 / 29 / 36 / 54 cm lengths

SPECIFICATIONS

Color	Red,blue, yellow or customization	**Size**	26cm/29cm/36cm/54cm / custom
Material	ABS handle+PC pipe	**Style**	Battery/Rechageable
Visible distance	800m-2000m	**Operating temperature**	-40°C to 70°C
Ip rate	IP55	**Light source characteristics**	High-brightness LED beads, low energy consumption

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-BAT · 022 566 1135

NZ USE: Supplements, not replaces, the required STOP/GO paddle.

JTS-SS



HANDHELD LED STOP / SLOW SIGNS

- ✓ LED-lit reflective face, visible >1000 m
- ✓ Flashes 40–60 times/min
- ✓ Rechargeable lithium battery
- ✓ IP65 aluminium sign

Best for: Traffic controllers on stop/go

CE IP65

DIMENSIONS 300 / 450 / 600 mm faces

SPECIFICATIONS

Battery	Lithium Battery 3.7vFlashing Frequency	**Size**	30*30cm / 45*45cm / 60*60cm / Custom
Visual distance	>1000m	**Shape**	Triangle/ Rectangle /Octagon/ Square / Round
Material	Aluminium+ Reflective Sheeting+ LED Light	**Waterproof class**	IP65
LED color	RED&BLACK&YELLOW	**Flashing frequency**	40-60times/min

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-SS · 022 566 1135

NZ USE: NZ face layouts to NZGTTM on request.

TMP / TTM CREW GEAR

JTS-CONE



RUBBER & PE TRAFFIC CONES AND DRUMS

- ✓ Heavy rubber base resists wind and tip-over
- ✓ Reflective sleeves
- ✓ Colours to order
- ✓ Stackable for trucks and trailers

Best for: Every TTM crew and site

DIMENSIONS	500–800 mm cones · 900–1100 mm drums

SPECIFICATIONS			
Height	500mm/600mm/700mm/800mm / custom	**Material**	rubber
Color	Red White		

FULL SPECS ON REQUEST
Datasheet and written quote on request.

REQUEST A QUOTE
Ref JTS-CONE · 022 566 1135

NZ USE: Reflective sleeves and colours to NZGTTM.

NOT SEEING THE EXACT MODEL?

MORE TMP / TTM CREW GEAR ON REQUEST

Sizes, faces, colours, power options and mounting are customised to your site. Send a photo, drawing or the spec you use now and we will come back with a written quote and lead time.

REQUEST A QUOTE
022 566 1135 · joshtrafficsolutions.co.nz

TTM CREW KIT

FOR TRAFFIC MANAGEMENT TEAMS



Road crew at work, Queen Street, Auckland

One supplier for the whole crew kit: speed feedback, beacons, flashers, LED STOP/GO signals and batons, cones and signs — configured to your TMP and quoted as one package.



Portable radar speed sign



LED STOP hand signals



Solar magnetic beacon



Solar amber flasher

TTM CREW KIT — ONE REQUEST FOR QUOTE

EVERYTHING A TMP CREW CARRIES, ONE QUOTE

ITEM	WHAT IT DOES ON SITE	UNDER YOUR TMP
Portable solar radar speed sign (JTS-PSS)	Slows approach speeds at the work zone and temporary speed limit	Speed-management control in the NZGTTM risk assessment
LED STOP/GO hand signals & batons (JTS-TMO)	Night and low-light visibility for controllers and spotters	Supplements the required STOP/GO signs
Solar & magnetic beacons	Marks hazards, tapers, vehicles and site entries with no cabling	Hazard marking and delineation
Solar amber flashers (JTS-AWL)	Draws attention to advance warning signs and site accesses	Used with the correct TTM sign
Cones, drums & reflective signs	Delineation and sign faces printed to your layouts	Faces to TCD / NZGTTM layouts on request
Portable traffic signals (public road)	Shuttle control without a STOP/GO operator	Must be AS 4191 and on NZTA's register. Ask us about options

CUSTOMISED TO YOUR SITE

YOUR SPEC. YOUR SITE. BUILT TO ORDER.

Because we build to order, customising is part of the normal job, not a special favour. Tell us the site, the road and the result you need, and we'll build to it.

WHAT WE CAN CUSTOMISE

- **Faces & text:** NZ layouts, YOUR SPEED / SLOW DOWN / THANK YOU, school and site messages, te reo Māori text on request
- **Size & housing:** panel dimensions, galvanised steel or aluminium, housing colour
- **Display:** 2 or 3 digits, LED colour, face icons, flashing strobes, brightness profile
- **Power:** solar panel and battery sized for NZ sun hours, or mains/DC
- **Settings:** speed thresholds and operating times pre-programmed before dispatch
- **Markings:** your council, school or company logo and asset numbers
- **Mounting:** post clamps, freestanding stands, cart or trailer fit-out scoped on request

HOW WE PROTECT QUALITY

- **Quality:** ISO 9001-certified quality system. Every finished unit is inspected before packing
- **Pre-delivery proof:** on request, inspection photos of your order before it is dispatched
- **Written quote:** every job is quoted to your spec and delivery site
- **NZ compliance check:** before supply, we work through NZ radio-device (R-NZ) and electrical-safety requirements for radar, remote and mains products
- **Documents pack:** datasheets, test reports and CE documentation where held, to support your TMP or RCA submission
- **Careful packing:** cartoned and protected for delivery to your site

FROM ENQUIRY TO SITE, IN FIVE STEPS

01
TELL US THE JOB
Site, road speed, power, quantity and any NZ sign code you need.

02
REQUEST A QUOTE
Written quote, drawing or spec sheet and a confirmed lead time.

03
APPROVE SPEC
Sign off drawings or artwork proof before the full run.

04
BUILD & CHECK
Production, QC and pre-programming. Inspection photos on request.

05
DELIVER & SUPPORT
Delivery, set-up help from Auckland, spares and warranty.

FULL SPECS & QUOTE ON REQUEST

joshtrafficsolutions.co.nz/contact

Datasheets, drawings and a written quote — call or text 022 566 1135.

WARRANTY — STRAIGHT UP

Radar speed signs: 2-year manufacturer warranty on the main unit and 1 year on the battery. Other products carry the warranty stated on your quote. Claims go through us in Auckland, so you're not chasing a distant supplier, and we keep common spares (batteries, remotes, controllers) moving. Nothing here limits any rights you have under New Zealand law.

REQUEST FOR QUOTE

REQUEST A QUOTE. WE'LL COME BACK FAST.

Send us your product, quantity, site and any customisation. We'll reply with a written quote for your site, a spec sheet and a lead time you can plan around. Every job is quoted individually to your spec and quantity. Include: product code (e.g. JTS-SID), quantity, size, power (solar/mains), face or text, delivery site and date needed.

COUNCILS & RCAS

Speed indicator signs, school-zone packages and solar active warning, with written quotes and pre-set thresholds.

TTM TEAMS & CONTRACTORS

Crew kits: portable radar speed signs, beacons, flashers, LED STOP/GO signals and batons, with fast repeat orders and spares.

SCHOOLS & PRIVATE SITES

Smiley feedback signs, flashing signs and site signals for grounds, villages, yards and car parks.

JOSH TRAFFIC SOLUTIONS
joshtrafficsolutions.co.nz

022 566 1135

joshtrafficsolutions.co.nz

COMPANY	Joshua Enterprises Limited trading as Josh Traffic Solutions
ADDRESS	Auckland, New Zealand
GST	145-260-698
HOURS	Call or text, Mon–Fri

COMPLIANCE & USE STATEMENT

Josh Traffic Solutions products are designed and configured for New Zealand temporary and permanent traffic management practice under the NZ Guide to Temporary Traffic Management (NZGTTM), the Land Transport Rule: Traffic Control Devices 2004 and NZTA guidance. **Unless a product is expressly stated to be listed on an NZTA register or approved by NZTA, it is not represented as NZTA-approved.**

Whether a device may be used at a particular location is decided by the site's traffic management plan (TMP), the person conducting the business or undertaking (PCBU), and the road controlling authority (RCA), including NZTA on state highways. Signs, legends and layouts used on public roads must comply with the TCD Rule or an applicable gazette notice. Portable traffic signals for public-road shuttle control must be certified to AS 4191 and appear on NZTA's register. The site signals in this guide are for private sites only. Permanent installations may require RCA approval, an electrical installation by a registered electrician, and structural or wind design to AS/NZS 1170.2.

Certifications (e.g. ISO 9001, ISO 14001, CE) describe the manufacturer's systems and product conformity in the markets they relate to. Specifications are typical manufacturer data and may change. Solar run times depend on site, season, traffic volume and settings. Lead times and warranty terms are confirmed in writing on each quote. Product images are representative and may show non-NZ sign faces. NZ faces are supplied to order. Location photos: Wikimedia Commons — Panamitsu (CC BY-SA 4.0, SH59 & Harris St roadworks), Ingolfson (public domain, Queen St); number plates and shop signs blurred. Units supplied to your NZ spec. © 2026 Joshua Enterprises Limited.