MSI-9850 CellScale™ RF
Digital Indicator

Specifications

Enclosure:
NEMA Type 4, IP65 milled anodized aluminum with O-ring gaskets
NEMA Type 6, IP67 with optional long-range antenna

Weight:
5.0 lb (2.8 kg)

Keypad:
33 keys–12 key alphanumeric, four cursor keys, seven control keys and 10 user programmable keys
Password protected with lock feature

Weight Display:
Six-digit, 1.2 in (30 mm) high numeric weight LED, four alphanumeric 0.5 in (13 mm) high data LED, six LED function select annunciators, 10 LED annunciators, low battery LED indicator

Information Display:
1.4 in x 2.6 in (36 x 67 mm) backlit LCD. Capable of 8 lines of 21 characters each backlight selectable on, off or automatic

Power Input:
Internal AC/DC power supply: 85-265 VAC, 47-440 Hz/130-300 VDC
Also included: An independent 7-25 VDC power input (requires optional power/switch interface cable) 8 ft/2.4 m power cable included (NA plug standard)

Operating Temperature:
-4°F to 158°F (-20°C to 70°C)

Radio Link:
FHSS at 2.4 GHz (up to 64 network selections)

Radio Link Effective Range:
Typically 500 ft (150 m) indoor, 1000 ft (300 m) outdoor with standard antennas
See optional antennas for longer range

Standard Antenna:
1/2 wave 2 dBi, articulated

RFI/EMI Shielding:
Exceeds NIST HB44 and CE Standards

Connectors:
RS-232, Turck compatible Pico connector

Warranty:
One-year limited

Approvals:
NTEP CC 05-077

Contact MSI for application consultation

Standard Features

- Compatible with MSI-6260CS, MSI-9300 and MSI-9000 CellScale
- Six-digit 1.2 in (30 mm) LED display
- 1.4 in x 2.6 in (36 mm x 67 mm) information LCD display
- 2.4 GHz spread spectrum transceiver
- RS-232 data I/O with real-time clock
- NEMA Type 4, IP65 enclosure
- Power input 85-265 VAC, 47-440 Hz / 130-300 VDC; 8 ft/2.4 m power cable included (NA plug standard)

Approvals

Options

- NTEP Certified
- Long range antenna, omni-directional with 9dBi
- Wi-Fi Ethernet connectivity (802.11b)
- Hardwired Ethernet output connection
- Single and dual 4-20 mA output, provides programmable current output
- Bar code scanner
- Setpoint relays, provides up to eight setpoint relay outputs for direct interfacing to external devices
- External audible alarm (activates with setpoint control)
- Universal mounting bracket for either desktop or wall/bulkhead mount
- Optional isolated and non-isolated DC power supplies

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Part Number/Price

Part #	MSI Part #	Description	Est. Weight	Price
159625	N/A	MSI-9850 RF remote indicator AC/DC	10 lb (4.5 kg)	Consult
162035	N/A	MSI-9850 RF remote indicator AC/DC International Power	10 lb (4.5 kg)	Consult

Options/Accessories

Part #	MSI Part #	Description	Price
141558	10082	External setpoint relay output cable, 6.5 ft/2 m	Consult
138358	502513-0001	RS-232, 13 ft/4 m cable with DB-9 connector	Consult
176074	N/A	Print cable, RS-232, serial output, with DB-9 connector, null modem	Consult
138625	502598-0001	RF remote controller (control for On/Off, Zero, Tare and other functions. 10 m operating range.)	Consult
143466	12147	Long-range antenna, omni-directional with 9 dBi gain, includes 10 ft/3 m coaxial cable	Consult
197013	N/A	Antenna extension kit, 20 ft	Consult
Consult	Consult	9 dBi or 14 dBi gain corner reflector antenna	Consult
Consult	Consult	5 dBi gain vehicle/cab mount whip antenna, includes 17 ft/5.2 m coaxial cable	Consult
139032	502835-0001	Hard-wired Ethernet output connection, includes connector	Consult
139033	502835-0002	Wi-Fi Ethernet connectivity (802.11b - requires dual antenna enclosure, contact factory for assistance)	Consult
138615	Consult	Single 4-20 mA output. Provides programmable current output.	Consult
138616	Consult	Dual 4-20 mA output	Consult
Consult	Consult	Bar code scanner (several options available)	Consult
Consult	Consult	Internal setpoint relays, provides up to eight setpoint relay outputs for direct interfacing to external devices	Consult
Consult	Consult	Control kit, provides remote I/O relay board for interfacing to setpoints (note: I/O modules not included)	Consult
138628	502599-0001	External audible alarm (activates with setpoint control)	Consult
138341	502488-0001	Universal mounting bracket for either desktop or wall / bulkhead mount (specify type)	Consult
138351	502499-0001	Vehicle or wall mount bracket stand	Consult
138631	502600-0003	Non-isolated 7-25 VDC power input, includes 13 ft/4 m non-terminated DC input cable	Consult
138632	502600-0004	Isolated 10-36 VDC power input, includes 13 ft/4 m non-terminated DC input cable	Consult
138633	502600-0005	Isolated 20-72 VDC power input, includes 13 ft/4 m non-terminated DC input cable	Consult