

S-Series

S32 AND S41 OPERATOR CONTROL UNITS

STANDARD PUSHBUTTON REMOTE CONTROL SYSTEMS

HIGHLIGHTS

- The S-Series is a handheld, pushbutton remote control system available in two standard configurations.
- Safety and reliability focused, premium design in an economical package.
- Operating range up to 180 meters (600 feet).

FEATURES

- Ergonomic design to suit most common applications
- Simple 15 seconds pushbutton pairing of OCU and MCU, no address or frequency management is required
- Globally compliant, long range, unlicensed 2.4GHz operation
- Uses two standard AA 1.5V cells
- PL-d safety level for stop function and an illuminated stop switch
- Black channel telegram for secure communication
- IP65 enclosure offers protection against harsh environments
- Long-life switches measured in millions of cycles
- Internal diagnostic logging - available over Bluetooth®
- Tri-color status and bi-color status LEDs
- Optional rechargeable battery with drop in charger

MARKETS

S-Series wireless remote control systems are used for the control of equipment and machinery in a wide variety of material handling, mobile equipment and industrial automation applications.

- Overhead Crane and Hoist Systems
- Conveyor Systems
- On-Highway Equipment
- Off-Highway Equipment
- Manufacturing
- Transportation and Warehousing

COMPLIANCE

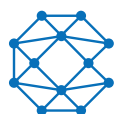
- CE / RED
- EN/ISO 13849 PL-d
- RF certifications applicable to region of use
- Electrical Safety IEC 61010



S32



S41





TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA

| | |
|----------------|---|
| Configuration | Simple 15 second push button OCU to MCU association |
| System Design | Cat. 3 PL-d architecture |
| System Address | Unique 48-Bit addressing |

RF

| | |
|-----------------|--------------------------------------|
| Frequency Range | License Exempt: 2.4GHz |
| Operating Range | 180 meters typical (600 feet) |
| Antenna | Integrated internal antenna |
| Data Security | Enhanced black channel communication |

ACCESSORIES

| | |
|----------------------|--|
| Batteries | 2 – 1.5V AA batteries |
| Labeling | Label sheets supplied |
| Holster | Leather Holster |
| Antenna | Optional, remote antenna, mount and line kit |
| Rechargeable battery | Optional rechargeable battery and charger |

MECHANICAL DATA

| | |
|-------------------------|--|
| Weight | 0.25kg (9 oz) |
| Dimensions L x W x H | 165 x 71 x 25mm (6.5 x 2.8 x 1 in) |
| Housing | High-impact fiber-reinforced nylon IP65 suitable for outdoor use |
| Operating Temperature | -20° to 60° C (-4° to 140° F) |
| Vibration and Shock | Vibration / impact and drop tested to 1 meter on concrete |

OPERATION AND INDICATION

| | |
|------------------|---|
| Status | Tri-color status and two bi-color status LEDs and illuminated Stop switch |
| Control Elements | S32 3 motions, 2 speeds, start and stop function S41 4 motions, 1 speed, start and stop function |

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S-Series

11R MACHINE CONTROL UNIT

11 Relay Machine Control Unit

HIGHLIGHTS

- A rugged and reliable Machine Control Unit (MCU) in an IP65 enclosure
- Hinged and lockable transparent lid
- Bluetooth® for closed box configuration and diagnostics
- Secure 2.4GHz communication
- Integrated antenna with option for external antenna

FEATURES

- Next generation design meeting performance level-d (PL-d)
- Long range, 2.4GHz license free communication
- Diagnostic data collection
- Wide range power supply with AC and DC options
- Plug-in screw terminals for easy installation and maintenance
- Two cable glands included

MARKETS

S-Series wireless remote control systems are used for the control of equipment and machinery for a wide range of applications in the material handling and mobile equipment markets.

- Overhead Crane and Hoist Systems
- Conveyor Systems
- On-Highway Equipment
- Off-Highway Equipment
- Manufacturing
- Transportation and Warehousing

COMPLIANCE

- CE / RED
- EN/ISO 13849 Performance Level-d (PL-d) for stop function
- ISO 13850
- IEC 61010 harmonized CSA, ISA, and UL standard
- Global 2.4GHz unlicensed frequency





TECHNICAL DATA AND SPECIFICATIONS

ELECTRONIC DATA

| | |
|-------------------|---|
| Digital Circuitry | Dual Microprocessor Cat. 3 PL-d Architecture |
| System Address | Unique 48-Bit Addressing |
| Power | 110-240 volts AC 33-48 volts AC 24 volts DC |

RF

| | |
|-----------------|--|
| Frequency Range | Configuration free, license exempt 2.4GHz |
| Operating Range | 180 meters typical (600 feet) |
| Antenna | Integrated 2.4GHz and optional external antenna |
| Data Security | Secure Black Channel Communication |

ACCESSORIES

| | |
|---------------|------------------------------------|
| Antennas | 2.4GHz line kits |
| User Manual | Website download |
| Mounting Feet | Set of 4 mounting feet |
| Option | Optional pre-wired interface cable |

MECHANICAL DATA

| | |
|--------------------------|---|
| Dimensions L x W x H | Enclosure size without connectors and glands 200 x 150 x 100mm (8 x 6 x 4 inches) |
| Housing | Grey FR ABS body with a polycarbonate clear, hinged and lockable cover; IP65 suitable for indoor use |
| Operating Temperature | -40° to 60° C (-40° to 140° F) |
| Vibration and Shock | Vibration, impact and shock tested |

OPERATION AND INDICATION

| | |
|--------|--|
| Status | 1 Status LED per relay 4 Bi-color status LEDs 2 Power supply LEDs 1 Heartbeat LED |
| Relays | Dual main safety relays 1 Alarm / start relay 10 Function relays All relays rated at 5A |

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