

Radio data modem for RS232 / RS485 - Model SM7

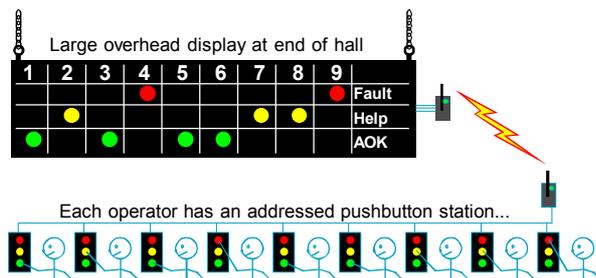


- Simple to install and commission
- Supports RS232 and RS485
- Choice of 433MHz or 868 MHz
- Manchester or NRZ data encoding
- Antenna can be remotely mounted
- 10 channels, each with addressing
- No license required

The SM7 is perfect for applications where you need to send data to a remote device and wiring the two together is not convenient. Examples include sensing weight data from a mobile crane to a central logging device, fork lift operator display updating from a warehouse controller, etc.

The units support ModBus and can also be used to transmit logic status, such as pushbutton actions, by using our PSC1 logic compressor and logic expander. this is useful in applications where you may have a long production line, with many operator workstations, and you want to allow the operators to signal faults or help-requests.

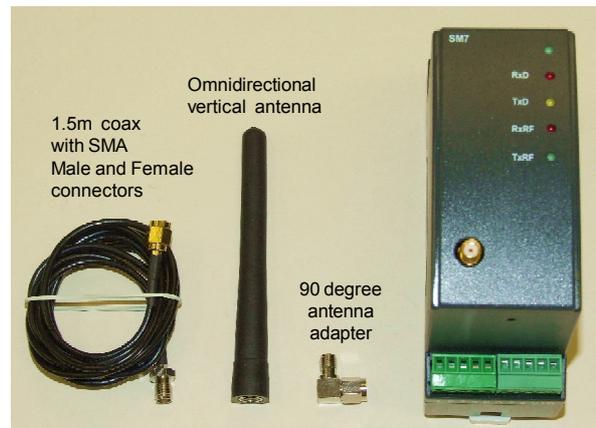
Their button presses can be sent to a large overhead traffic light system to immediately alert the production supervisor or maintenance staff of a problem. The SM7 allows this to be achieved without complex wiring.



Specifications

| | |
|-----------------------|--|
| Port 1 | RS232 interface |
| | Data format 8N1, 8N2, 801, 7E1, 701 |
| | Baud rate 4800 to 115200 |
| | Max voltage above ground 50V |
| Port 2 | RS485 interface |
| | Data format 8N1, 8N2, 8E1, 801, 7E1, 701 |
| | Baud rate 4800 to 115200 |
| | Max voltage above ground 50V |
| Carrier frequency | 433 or 868 MHz, to order |
| Power choices | -20, -15, -10, -5, 0, +5, +10 dBm |
| Receiver sensitivity | 110 dBm |
| Encoding type | Manchester or NRZ |
| Range, line of sight | 300 metres |
| Number of channels | 10 |
| Antenna connection | 50 Ohm SMA |
| Switch-on delay | 2 seconds |
| Antenna orientation | Must be mounted vertically |
| Power voltage | 85-253 V AC or 7-35V DC |
| Power consumption | 2.5 VA |
| Dimensions | 45mm x 120mm x 100mmd |
| Weight | 500g |
| Mounting | 35mm DIN rail |
| Sealing | IP20 |
| Installation category | 3 |
| Pollution grade | 2 |
| Operating temperature | 0 to 45 Degrees C |
| Storage temperature | -20 to 70 degrees C |
| Humidity | Less than 95% non condensing |

Each modem comes with an antenna, cable to allow the antenna to be mounted remotely, a right angled SMA connector to allow the module to be mounted vertically or horizontally, whilst maintaining the antenna vertical, a setup CD and an operating manual.



Ordering Code

