

Radio data modem for RS232 / RS485 - Model SM7

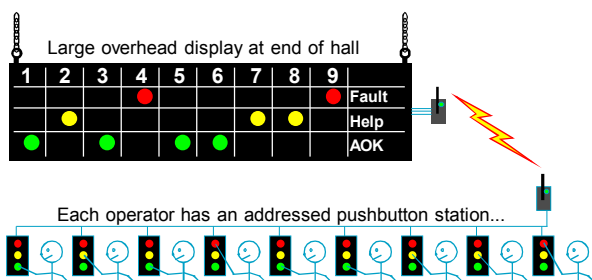


- Simple to install and commission
- Supports RS232 and RS485
- Choice of 433MHz or 868 MHz
- Manchester or NRZ data encoding
- Antenna can be remotely mounted
- 10 channels, each with addressing
- No license required

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.

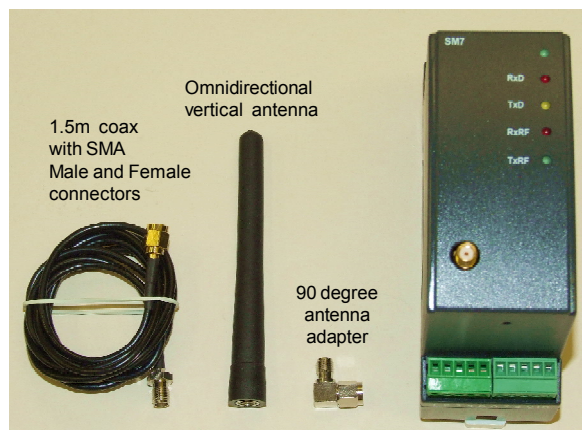
Their button presses can be sent to a large overhead traffic light system to immediately alert the production supervisor or maintenance staff of a problem. The SM7 allows this to be achieved without complex wiring.



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

