

LED DESCRIPTIONS:

The functions of the LEDs on the front panel are described below:

- RxD:** Illuminates when receiving data on the RS232 cable from host system.
TxD: Illuminates when R-IDENT receiver is sending data out of the RS232 cable to the host system.
Pkt: Illuminates briefly every time a packet of data is received from a transmitter.
Alm: Illuminates when an alarm event is occurring.
Pwr: Illuminates when power is applied to the R-IDENT receiver.

SPECIFICATIONS:

	Receiver Type	
	RX5n	RX6n
RF Characteristics	Low Power 433MHz (license exempt in UK and Europe)	Low Power 433MHz (license exempt in UK and Europe)
Operating Temperature	-20°C to +85°C	-20°C to +85°C
Weight	380g approx. (excluding aerial)	370g approx. (excluding aerial)
Dimensions	76mmw ide, 176mmhigh, 47.5mmdeep	76mmw ide, 176mmhigh, 47.5mmdeep
Ingress Protection	I.P. 67 (I.P. 60 if RX5C due to aerial connector)	I.P. 67 (I.P. 60 if RX6C due to aerial connector)
Power Requirements	8Vdc to 40Vdc	8Vdc to 40Vdc
Current Consumption @ 12Vdc	29mA normally/ 108mA when LCD backlight illuminated	29mA
Current Consumption @ 24Vdc	15.5mA normally/ 52.2mA when LCD backlight illuminated	15.5mA
Host Communications	RS232, Baud Rate 9600, 8 data bits, 1 stop bit, no parity	RS232, Baud Rate 9600, 8 data bits, 1 stop bit, no parity
Alarm Contact	1A max at upto 50Vdc max	1A max at upto 50Vdc max

AERIAL TYPES / PART NUMBERS:

The receives are available with various aerial types. The types and part numbers are shown below:

- RX5A:** Internal Aerial - Shortest Range
RX5B: External Aerial - Medium Range
RX5C: Remote External Aerial -Longest Range (aerial is connected to cable which plugs into connector on unit - for remote mounting away from the unit).
RX6A: Internal Aerial - Shortest Range
RX6B: External Aerial - Medium Range
RX6C: Remote External Aerial -Longest Range (aerial is connected to cable which plugs into connector on unit - for remote mounting away from the Unit).

CONNECTION DETAILS:

Grey Communication Cable (Individual cores described below) :

- YELLOW core:** RxD Received data from host system eg. PC
GREEN core: TxD Transmitted data from R-Ident receiver to host system eg. PC
WHITE core: 0V (comms) Communications 0V connection.
BROWN core: DTR Data Terminal Ready. Only applicable to the RX3 receivers. This line may be used if the receiver is connected to a Modem. The Receiver asserts this line when it is ready for communication.
GREY core: RI Ring Indicator. Only applicable to RX3. This line may be connected to the Ring Indicator connection on a Modem. The Modem asserts this line when it is being called and it is 'ringing'.

NOTE: As standard the communication cable is supplied with bare wires. A connector to suit your application may be fitted by Colter at your request. Please contact Colter for further information.

Black Power and Alarm Cable (Individual cores described below):

- RED core:** Connect to power supply +8Vdc to +40Vdc.
BLUE core: Connect to power supply 0V
YELLOW core: Common terminal of volt free SPST N.O. Alarm contact, use to switch alarm signal.
GREEN core: Switched terminal of volt free SPST N.O. Alarm contact, use to switch alarm signal.

Standard cable lengths are 3m. Longer cables may be supplied at customer request in multiples or 1m. Please contact Colter for further information

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