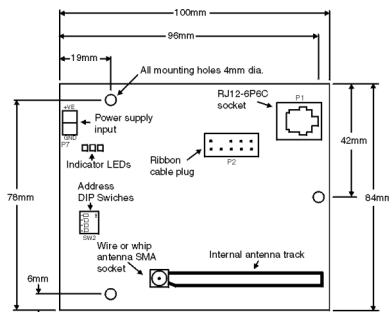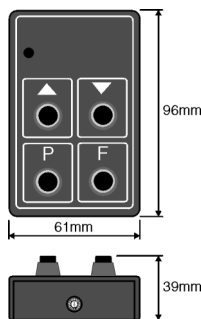# Radio Remote System for Large Digit displays

Features

- Up to 60m range (with optional antenna)
- Transmitter powered by long life battery
- Addressable communications - up to 15 addresses
- Allows for safe configuration of remotely mounted large digit displays

Description

The LD-RC10-F and LD-RC10-A radio transmitters & RAD-RX-REM-P and RAD-RX-REM-W radio receivers in combination form a remote control system that allows the 🅿, 🎏, 🔼 and 🔽 setup pushbuttons to be operated at the transmitter and received at a receiver inside the large digit display. This makes set up of remotely mounted large digit displays easy and safe. The transmitter/receiver combination is available in several configurations.

- The transmitter and receiver can be supplied as a "dedicated" pair - that is that the transmitter will communicate with the one receiver only.

- The transmitter can be supplied with a rotary switch to allow addressed communication. Each receiver can be assigned one of 15 addresses. The transmitter can be set to communicate with that address. Receivers with other addresses will ignore the communications.

- If a receiver is set to address "0" it will accept transmissions from any transmitter.

Specifications

Radio Transmitter	LD-RC10-F or LD-RC10-A
Range	Typically 60m in free space with whip antenna Typically 30m in free space with wire antenna Typically 20m in free space with PCB loop antenna (for non-metallic enclosures)
Frequency	433MHz
Power supply	Internal 3.6V lithium battery 1/2 AA size Battery life approx. 5 years with normal use
Weight	120gms
Dimensions	96mm x 61mm x 39mm (height to top of buttons)

Radio receiver	RAD-RX-REM-P or RAD-RX-REM-W
Power supply	If using ribbon cable connection, no external power required. External 12-24VDC required if using RJ12 connector.
Frequency	433MHz
Current	Typically 16mA @ 12VDC or 8mA @ 24VDC when externally powered
Antenna	External whip antenna or external wire antenna or internal PCB track antenna (not suitable for use in metallic enclosures)
Weight	50gms
Dimensions	100mm x 84mm

Order Codes

Description	Model No.
Transmitter: fixed address	LD-RC10-F
Transmitter: address selection	LD-RC10-A
Receiver: PCB antenna	RAD-RX-REM-P
Receiver: for whip or wire antenna	RAD-RX-REM-W
Ribbon cable to main board with connector	Model dependant
RJ12 cable: RX to RJ12 socket	WX-RJ12-6P6C-04M
Optional whip antenna	ANT-RAD-RX-WHIP
Optional wire antenna	ANT-RAD-RX-WIRE

LD-RCRAD-3.1-0