

The A753-PL RF transmitter with the RF A750-PL receiver are ideal for transmitting a wireless pulse for applications where wiring is not practical. This system can accept an input frequency of up to and including 15Hz. The input pulse at the transmitter can be 3 to 32Vdc, open collector or dry contact. The output pulse at the receiver is 0 to 5Vdc. Since this system has no error correction it should be used in applications that are line of site and short range. Both the A753-PL transmitter and A750-PL receiver require +24Vdc nominal power.



A753-PL RF Transmitter Specifications

INPUT RANGE:

Pulse, open collector or dry contact, 3 to 32 Vdc.
Maximum input frequency 15Hz (inclusive)

A750-PL Receiver Specifications

STANDARD OUTPUT

Pulse: 0 to 5Vdc

RECEIVER SENSITIVITY:

900 MHz: -100 dBm (@115,200 bps)

Output Latency

Input (transmitter) to output (receiver):
Typically less than 250mS

Common Specifications

ACCURACY:

16 bit maximum

RF OUTPUT (power is adjustable max power listed below):

1 Watt (+30 dBm), 900MHz FHSS

POWER (transmitter/receiver):

11 to 32 Vdc

OPERATING TEMPERATURE RANGE:

(transmitter/receiver)

-40°C to +85°C

FEATURES

- 35mm DIN rail mount
- Standard 1W 900MHz
- Removable 2.0dBi dipole antenna
- DIP switch selectable channels
- Signal Strength indicator
- Repeaters available
- No software required

APPLICATIONS

- Flow rate monitoring
- Pulse counting
- Alarms

ORDERING INFORMATION

1W, 900MHz RF receiver: A750-PL

1W, 900MHz RF transmitter: A753-PL