

AP-IRT & AP-IRC

Long Range Infrared Access Control Transmitter and Receiver

The Apollo long range infrared transmitter and receiver provide Wiegand interface to the Apollo access control system or can operate as a self-contained stand-alone system. Standard read ranges are up to 25 feet (8 meters) outdoors and up to 80 feet (25 meters) indoors. These ranges can be doubled with use of the extended read range receiver.

Apollo's infrared system is an ideal product for use in conjunction with parking gates and vehicle entrances. Reception of the infrared data signal is dependent upon line of sight and can be transmitted through glass. This allows the transmitter to be operated from inside a vehicle without lowering the windows or stopping the vehicle. This increases the security of the vehicle and its occupants. The receiver may be placed behind glass inside the premises, protecting it against vandalism. Multiple readers can be mounted relatively close to each other without unintentional activation of more than one receiver, since it operates via line of sight.

The pocket-size AP-IRT transmitter sends out an encoded infrared data stream to the receiver. The AP-IRC receiver is mounted on a stainless steel single gang electrical box. Each transmitter can be programmed with a facility code and a unique user identification number. The transmitter is programmed via infrared data input. The code is stored in non-volatile EEPROM memory and cannot be deciphered by opening the transmitter and reading trace cuts or DIP switch settings.

The receiver can also be programmed to operate in a stand-alone mode. The receiver can be configured, upon receipt of a valid infrared input signal, to send an output to open a gate or release a lock. In the stand-alone mode the receiver is programmed to accept a valid facility code or a single user identification number.

Apollo also offers an extended range infrared receiver which doubles the operating ranges.

This product integrates seamlessly with Apollo's access control/ alarm systems.

The infrared system may be used with the following interfaces and controllers from Apollo: API, AIM-4, AIM-4SL, APN-10, APN-30.



AP-IRT Transmitter specifications:

Size: 2-1/2" x 1-1/2" x 9/16"

Battery: 12-volt alkaline battery

Battery life: 8000 operations

Operating temperature: 32-140°F

Range (standard): 25 feet / 8 meters outdoors (Maximum)

80 feet / 25 meters indoors (Maximum)

AP-IRC Receiver specifications:

Mounting: Single gang plate

Power: 12 or 24 DC (non-regulated acceptable)

Current: 30 mA

Data interface: Wiegand standard

Indication: Bi-color LED

Firmware: Configured for code bit structure desired

Operating temperature: 32-140°F (0-68°C)

Note: Information contained in this document is subject to change without notice.



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