

ATU-2 / ARU-2

ALARM TRANSMITTER AND RECEIVER



TRANSMITTER

RECEIVER

These devices transmit and receive alarm and control contact closures encoded on a video signal in coaxial cable, twisted pair wire, or microwave. You can insert your alarm and control signals anywhere a video signal is being used, including optical laser transmission and wireless transmission of video. Alarm and control signals may be carried over any distance by the video signal. Tele-metering and control contact closures are encoded onto the video signal by the transmitter unit and decoded to relay outputs at the receiver unit.

The ATU-2 ALARM TRANSMITTING UNIT and the ARU-2 ALARM RECEIVING UNIT together make up a 2 channel alarm and control system which can provide up to 6 alarm and control channels on any one video signal. The alarm and control signals are inserted onto the Vertical Interval of the video signal so that they will not interfere with the picture. When the video signal is recorded, the alarm and control information is also recorded and can be recalled at play-back. Alarm and control signals will be correlated with the video events.

Each pair of ATU-2 / ARU-2 will transmit 2 alarms. Three sets of units may be connected to any one video channel, allowing 6 alarms to be transmitted on one coaxial cable. The operating channel can be set by the user in the field with the internal program jumper jacks. If more contact closures are required please ask about ATU-8 / ARU-8 for eight channels.

One channel of the ATU-2 / ARU-2 can be used as a system alarm that will operate upon loss of power to either terminal, loss of the video signal or loss of transmission path (cable cut). In the event of power failure the video through-put is not interrupted. Contact closures to the ATU-2 input will be repeated as contact relay closures at the ARU-2 output.

The system is housed in Bone colored ABS enclosures that have a UL flame rating of 94-VO and is powered by 24 Volt AC or DC power transformers (24 Volt AC transformers are supplied with the units). The current draw is low allowing the units to be connected to the same power supply as the camera. Both the transmitter and receiver have power on/video on LED indicators for easy set-up.

ATU-2 ALARM TRANSMITTING UNIT

ALARM INPUT

Channels
Connector
Alarm Sense
Maximum Loop Resistance

SPECIFICATIONS

2
4 Pos. Screw Terminal
Contact closure (Loop)
1K ohm

VIDEO INPUT

Standard
Impedance
Connectors
Line Selection (field agile)

NTSC (Color or B/W)
Hi-Z Video loop through
2 BNC (female) Standard
Line 10 - 15 Both fields

MECHANICAL

Size
Power
Power cube

5.50"L X 3.3"W X 2.0"D
9 - 24 Volts AC/DC 50mA
24 Volts AC (included)

ARU-2 ALARM RECEIVING UNIT

ALARM OUTPUT

Channels
Connector
Alarm Report

SPECIFICATION

2
4 Pos. Screw Terminal
A Form Relay 1 Amp Max.

VIDEO INPUT

Standard
Impedance
Connector
Line Selection (field agile)

NTSC (Color or B/W)
Hi-Z Video loop through
2 BNC (female) Standard
Line 10 - 15 Both fields

MECHANICAL

Size
Power
Power Cube

5.50"L x 3.3"W x 2.0"D
24 Volts AC/DC 50mA
24 Volts AC (included)

ATU-2.SPC