PLUS-X 300

8-CHANNEL ETHERNET I/O FOR ARC PLUS

- 8 inputs, each selectable as metering or status
- 8 output relays, configurable as up to 4 raise/lower pairs or 8 individual relays
- Ethernet link to ARC Plus
- Available with rack mount adapter

COST EFFECTIVE I/O EXPANSION

Now it's easier than ever to monitor and control equipment in all areas of the facility using simple, Ethernet-based connectivity. The Plus-X 300 eight-channel I/O interface adds eight metering or status inputs and eight relay outputs to any ARC Plus remote control system, providing a versatile, cost effective expansion path.

EASY INSTALLATION

Thanks to IP connectivity between the Plus-X 300 and the ARC Plus, installation is straightforward. Sample voltages connect directly to the Plus-X 300 using the included Phoenix-type connectors. There is no need for external breakout panels.

WIDE RANGE OF APPLICATIONS

In addition to traditional transmitter site applications, the Plus-X 300 is well suited for use in studios, control rooms, IT space and elsewhere because engineers no longer have to accommodate wiring paths back to the remote control rack. Instead, Plus-X units distribute I/O throughout the building while the ARC Plus manages all alarms, notifications, automatic events and corrective actions.

FLEXIBLE I/O IMPLEMENTATION

Each of the eight input channels can be configured either as meter or status, allowing engineers to adapt the Plus-X 300 to the monitoring requirements of each installation. In addition, metering inputs may double as status channels with no additional equipment wiring. For example, an analog power sample may also be used to supply a power low or power high status signal.

Relay outputs may be used in any combination of individual relays (momentary or latching) or mutually exclusive raise/lower pairs.

IDEAL FOR:

- Transmitter sites
- Microwave relay sites
- Translator sites
- LPFM, LPTV
- Uplink/Downlink facilities
- Network Operation Centers
- HVAC applications
- Server closets

ABOUT BURK TECHNOLOGY

Burk Technology designs and manufactures high quality transmitter facility control systems for the broadcast industry, with thousands of active radio and TV installations across the US and around the world.

Founded in 1985, Burk brings over 30 years of innovation and continuous improvement to transmitter remote control, setting the standards for reliability, flexibility and ease of operation.

OTHER PLUS-X ETHERNET I/O PRODUCTS

Plus-X 600
The Plus-X 600 is designed to be a versatile I/O solution, suitable for a wide range of applications. Its 1RU form factor allows maximum functionality in minimal space, with a cost effective combination of channels.

Plus-X IIU
Each Plus-X Integrated Input Unit (Plus-X IIU) connects 16 meter and up to 32* status channels to the ARC Plus. Metering channels can be configured for different voltage ranges, and may optionally be used as status inputs. Connect up to 16 Plus-X Integrated Input Units to one ARC Plus for 256 input channels.

Plus-X ICRU
Each Plus-X Integrated Command Relay Unit (Plus-X ICRU) facilitates the connection of 16 relays to the ARC Plus. Relays can be used individually, or in raise/lower pairs, and can be configured as momentary or latching. Connect up to 32 units to one ARC Plus for 256 channels.

Plus-X AC-8
The Plus-X AC-8 remote outlet controller makes it easy to manage power to 120V equipment at remote locations. Connect the Plus-X AC-8 to PCs, servers and other IT or broadcast equipment, and save wasted drive time when remote gear needs a power cycle.

PlusConnect™
By combining the power of the ARC Plus with the convenience of a direct link to the transmitter, the PlusConnect allows broadcasters to manage the entire transmission plant, studio, and IT infrastructure on a single platform.

Plus-X EM
The Plus-X EM series brings extensive environmental monitoring and control capabilities to the ARC Plus remote control system. Plus-X EM units can be located where needed in transmitter sites and rack rooms with convenient Ethernet / IP connectivity to the ARC Plus control unit.

SPECIFICATIONS

Dimensions:
1.35" (3.43cm) H
9.2" (23.37cm) W
3.85" (9.78cm) D

Status Inputs:
0–28VDC or switch closure

Analog Inputs:
0–10VDC, 10mV resolution

Relays:
5A, 240VAC

Hysteresis:
User-configurable set points per input channel

Mounting:
Mountable on surface or on wall with hardware cutouts; Available with rack mount adapter (RMA300)

ORDERING INFORMATION

PLUS-X 300

DESCRIPTION
Connects 8 inputs and 8 relays to the ARC Plus over LAN/WAN. Inputs are selectable as metering or status. Relays are selectable as momentary or latching and can be operated individually or as raise/lower pairs. Available with rack mount adapter. (Add part number RMA 300 for rack mounting)

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For additional information contact Burk Technology at 978-486-0086x700, email sales@burk.com or visit www.burk.com.