



AD100

RECORDER CONTROL DEVICES



FEATURES

Recorder Controller

- One recorder controller accommodates entire network
- Up to 128 different interfaces can be connected
- “Learns” specific IR commands via the recorder installation utility
- Sets interfaces for different types of recorders, and designates which interfaces will control which recorders

IR Recorder Interface Module

- Controls any recorder that has IR capability and is supplied with an IR remote
- Controls up to 16 IR-controlled recorders; each unit can be a different type of recorder

Resistive Ladder Recorder Interface Module

- Controls up to eight of the most popular resistive ladder recorders

RS-232 Recorder Interface Module

- Controls up to eight RS-232 controlled recorders

VCRs and digital recorders used in the CCTV industry allow remote control through a variety of methods. The most common methods are IR-controlled (identical to what is offered in the consumer industry), resistive ladder-controlled (typically via a hardwired remote), and serial communication-controlled (e.g., via RS-232).

The AD100 series of recorder control devices allows for remote control of these types of recorders via the MegaPower™ 48, 168, 1024 matrix switcher/controller systems (directly from the AD2088 full system keyboard). This enables users to have integrated control of a wide variety of the most popular types of recorders.

The recorder controller is the CPU of the recorder interface network, enabling the programming (via RS-485) of the various recorder interface modules. Just one recorder controller can accommodate the entire network. Up to 128 different interfaces can be connected to the recorder controller in a daisy-chain configuration.

The various recorder interface modules, each of which is connected to the recorder controller, also link directly to the individual recorders. The IR Interface Module controls up to 16 IR-controlled recorders, each of which can be a different type of recorder. The Resistive Ladder Interface Module controls up to eight resistive ladder recorders, each of which can be a different type of recorder. And the RS-232 Interface Module controls up to eight RS-232 recorders.

A single network can accommodate up to 2,048 IR recorders, 1,024 resistive ladder recorders or 1,024 RS-232 recorders or a combination of all three types.

SPECIFICATIONS

Model Numbers

AD100XA	Recorder Controller, 120 VAC, 60 Hz
AD100XA-1A	Recorder Controller, 230 VAC, 50/60 Hz
AD100IR16	IR Interface Module, 120 VAC, 60 Hz
AD100IR16-1A	IR Interface Module, 230 VAC, 50/60 Hz
AD100RL8	Resistive Ladder Interface Module, 120 VAC, 60 Hz
AD100RL8-1	Resistive Ladder Interface Module, 230 VAC, 50/60 Hz
AD100RS8	RS-232 Interface Module, 120 VAC, 60 Hz
AD100RS8-1	RS-232 Interface Module, 230 VAC, 50/60 Hz

Note: AC wall-type transformer supplied (9 VAC for 120 V, 8-9 VAC for 230 V).

Electrical

Input Voltage

AD100XA, AD100IR16, AD100RL8, AD100RS8	120 VAC, 60 Hz
AD100XA-1A, AD100IR16-1A, AD100RL8-1, AD100RS8-1	230 VAC, 50/60 Hz

Power Consumption

AD100XA	3.0 watts (nominal)
AD100IR16, AD100RS8 Series, AD100RL8 Series	2.0 watts (nominal)

Drive Capability for AD100XA Series

Max RS-485 Distance	1,220 m (4,000 ft)
Max Number RS-485 Loads	24 loads

Mechanical

Mounting Desktop, wall or rack mount

Dimensions (H x W x D)

AD100XA, AD100RS8 Series	3.5 x 9.5 x 16.61 cm (1.38 x 3.75 x 6.50 in)
AD100IR16, AD100RL8 Series	3.5 x 8.3 x 13.97 cm (1.38 x 3.25 x 5.50 in)

Unit Weight

AD100XA, AD100RS8 Series	0.25 kg (9.0 oz)
AD100IR16, AD100RL8 Series	0.20 kg (7.0 oz)

Color (Plastic Housing) Black

Environmental

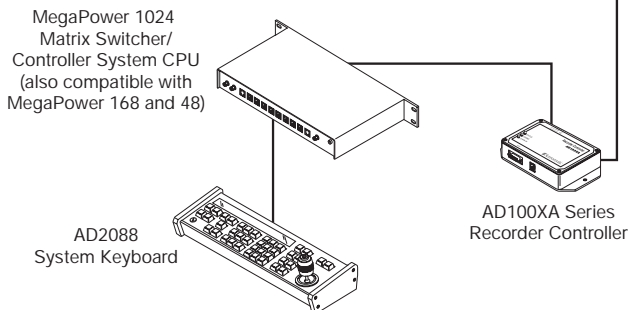
Operating Temperature	5° to 40° C (40° to 104° F)
Humidity	95% RH (non-condensing)
Storage Temperature	-40° to 70° C (-40° to 155° F)

Regulatory

Emissions	FCC: Part 15, Subpart B, Class A CE: EN55022, Class B
Immunity	CE: EN50130-4
Safety	AD100XA-1A, AD100IR16-1A, AD100RL8-1, AD100RS8-1 Series
	CE: EN60950

Accessories

AD100IRE	3.05 m (10 ft) IR Emitter Cable (connects the IR Interface Module and the IR recorder); one required for every IR recorder
AD100RLW	3.05 m (10 ft) Resistive Ladder Cable (connects the Resistive Ladder Interface Module and the resistive ladder recorder); one required forevery resistive ladder recorder
AD100RSC	3.05 m (10 ft) RS-232 Cable (connects the RS-232 Interface Module and the RS-232 recorder); one required for every RS-232 recorder



AD100 Series Interface with MegaPower 1024