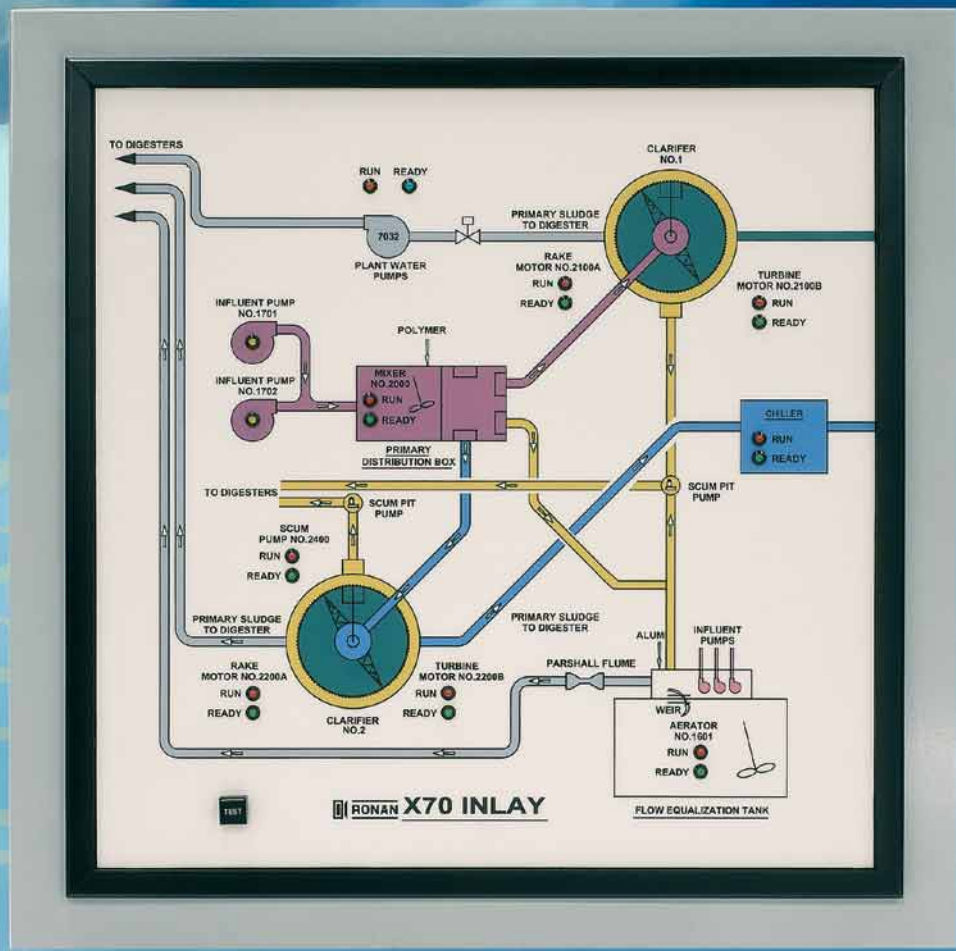


UV PROOF FIXED INLAY GRAPHIC X70 SERIES



TEMPERATURE RESISTANT

HIGH DENSITY

SOIL RESISTANT

INDOOR/OUTDOOR



The X70 Fixed Inlay Graphic is designed for applications where no layout changes or additions of display or control functions are expected over the lifetime of the graphic. It is ideally suited for outdoor or extensive wear and tear applications.

The graphic layout generally includes status and/or alarm LED indicators, selector and push-button switches, but may also contain meters, bargraphs, time clock, etc.

The graphic is held in a mounting frame assembly and is installed through a single panel cutout of the control panel and secured with clamps provided. All indicators, switches, etc. are wired to terminals mounted on the rear of the graphic assembly. The indicators may be direct wired or controlled by a Ronan X110 Serial Input Annunciator Controller which is driven by a host computer, PLC or X120 Multiplexer, etc. The X110s provide for ON/OFF or alarm sequence control for each individual light as well as push-button and audible interface. **Features:** • High Density Graphic Layout • Suitable for Outdoor Use • UV Proof • Soil Resistant • Excellent Temperature Resistance • Solvent Resistant • UL Listed

Plant Security & Fire Alarm Systems

HVAC Systems

UPS Systems

Power Plants & Switchyards

Geographical Maps

Building Protection

Industrial Process Plants

Water Treatment Plants

Power Distribution Networks

Information Systems & Data Highway

Gas Distribution Plants

Mass Transit & Subway Systems

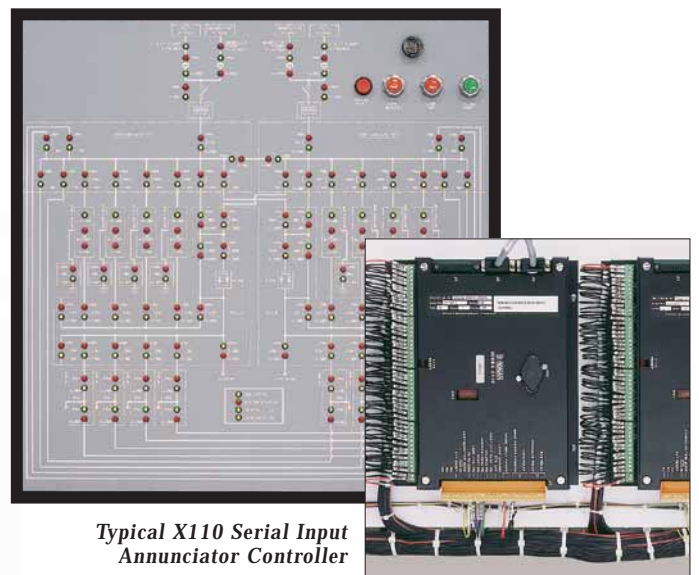
INDICATORS, PUSH-BUTTON SWITCHES AND METERS



The indicator lights utilized are LED type, with current limiter to provide greater than 100,000 hours life. The push buttons and switches are customer selected and based on power requirements, number of poles, position actuators and size. Ronan product specialists are available for technical support.

SERIAL INPUT ANNUNCIATORS

The most suitable approach for a larger number of indicators is to utilize the Ronan X110 Serial Input Annunciator Controller driven from a host such as a PLC, Ronan X120 Field Multiplexer, or an X500E Sequence of Events Recorder. Each X110 Controller provides for 48 outputs with individually selectable alarm sequence per output. The X110s are typically mounted in the graphic enclosure or integral to the rear of the graphic assembly.



Typical X110 Serial Input Annunciator Controller

SPECIFICATIONS

GRAPHIC LAYOUT

The customer provided process or plant graphic layout is best transferred via computer file. If this is not available, an actual size drawing or sketch may be presented showing the number of lights, switches, meters, etc. and color selection (see color chart on page 4). When choosing colors, careful consideration should be taken to allow for good contrast and for an eye pleasing display. Ronan product specialists are available for technical and aesthetic support.

CONSTRUCTION

The X70 inlay graphic layout and background color is reverse printed on a matte surface polycarbonate base on the rear surface. The inlay is laminated with pressure sensitive adhesive to a substrate, typically a 1/8" (3.18 mm) or 3/16" (4.76 mm) thick aluminum or lexan panel, which will permanently encapsulate the inlay. The panel is then assembled into the mounting frame.

MECHANICAL

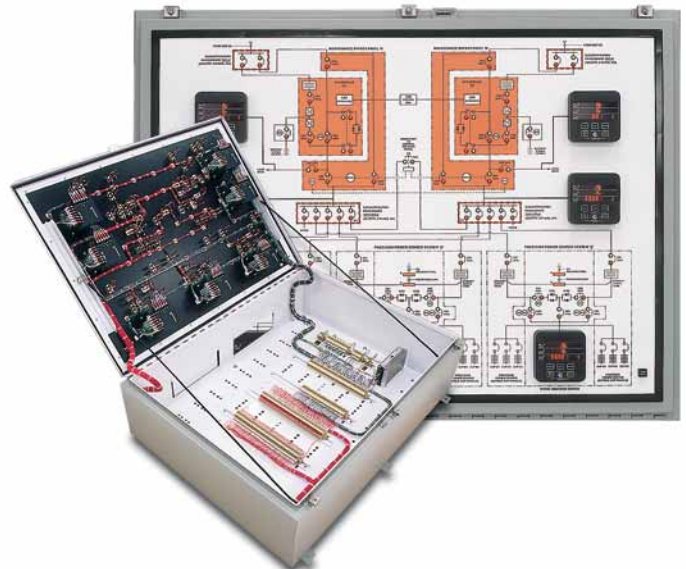
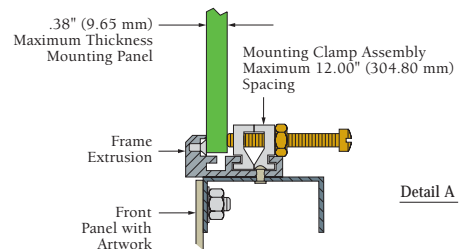
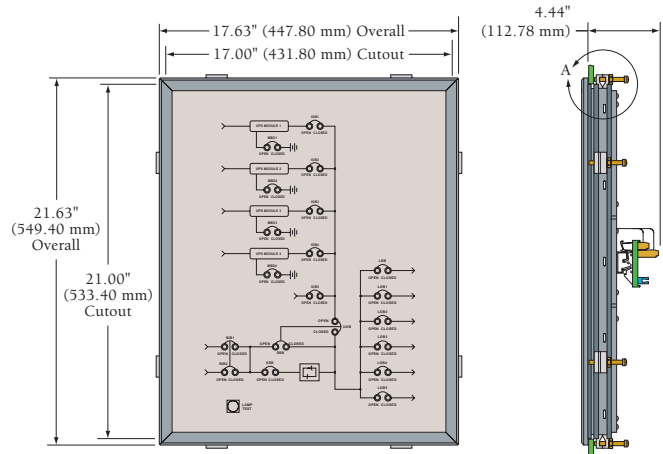
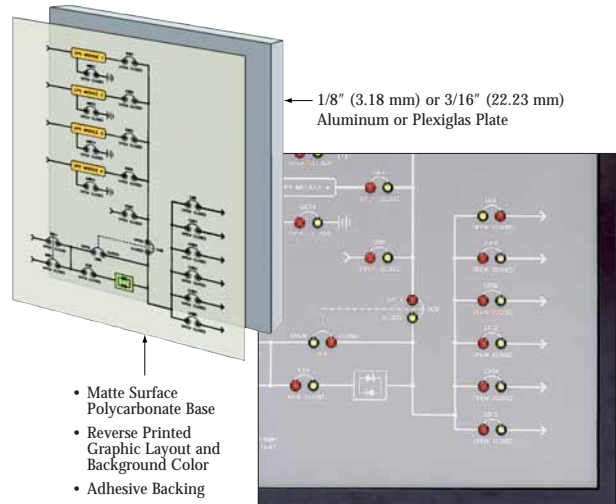
The size of the X70 graphic is based on the customer's space availability, layout density, distance between display and operator, etc. The type of substrate aluminum or lexan is selected based on overall size. Panel cutout dimensions will be provided with layout approval drawings.

TERMINATIONS

Standard terminals or dual diode gated terminals (for lamp test) may be supplied for interface to indicators and switches. Multi-pin connector assemblies with diode gating for flat ribbon cable connection may also be provided.

SPECIAL ENCLOSURES

Ronan's wall-mount or freestanding enclosures are based on the customer's requirements. The enclosure may be rear accessible or front accessible only by swinging or fold-down doors.



O R D E R I N G I N F O R M A T I O N

Color and number selector for symbols and flow lines

100			164
103			165
104			132
106			133
108			134
109			135
114			137
115			138
116			166
117			136
118			139
161			140
162			141
163			142
119			143
120			146
121			144
122			145
123			147
127			150
124			152
125			153
126			154
129			155
130			159
131			160

Complete the information below when ordering your X70 Fixed Inlay Graphic

Layout Size:

Height _____ Inches _____ (mm)

Width _____ Inches _____ (mm)

Background Color:

- Beige White Light Gray
 Charcoal Gray Other _____

Process Layout:

- Sketch Drawing Auto Cad
 5 Colors or Less Additional Colors _____

Indicators:

- Number of LEDs _____
 Number of Colors per Indication _____
(Standard Voltage 24 Vdc, Current 20 mA. Other Lamp Voltages Available)
 Serial Input Annunciator Controller X110
(48 Outputs per Unit)
 Terminals: Weidmueller SAK2.5
 Terminals with Dual Gating Diodes:
 Weidmueller DK4D *(Required for Lamp Test)*
 Analog Display, Model No. _____
 Bargraphs, Model No. _____
 Digital Display, Model No. _____

Push-Button and Rotary Switches:

Number of Switches _____
 Number of Poles _____
 Number of Positions _____
 Voltage _____ Current Requirement _____

T H R E E - Y E A R W A R R A N T Y

Ronan warrants equipment of its own manufacture to be free from defects in material and workmanship, under normal conditions of use and service, and will repair or replace any component found to be defective, on its return, transportation charges prepaid, within three (3) years of its original purchase. This warranty carries no liability, either expressed or implied, beyond our obligations to replace the unit which carries the warranty.



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