Lanscan

First Event Annunciator

The Lanly Lanscan First Event Annunciator is a circuit monitoring device that can be adapted to many applications. It is designed to monitor electrical interlocks on circuits that can cause a shutdown when unsafe or abnormal function occurs.

The Lanscan Annunciator contin-uously monitors live contacts in series and/or parallel combinations. The first event encountered is instantly captured and displayed on the annunciator panel.

This greatly simplifies system trouble-shooting and minimizes costly downtime.

The Lanscan Annunciator is completely self-contained and may be furnished on new equipment or as part of a retrofit package. Designed to monitor live voltage contact arrangements, it eliminates the need for isolated contacts or relays required with typical annunciators.

Lanscan instantly detects and indicates the first system event or fault. Each display point is clearly identified and visible.

- Simplifies trouble-shooting by instantly pinpointing a fault event.
- Pays for itself by mini-mizing costly down time.
- Available in 8, 16, 24 or 36 display point configurations.
- All inputs are optically isolated.
- Choice of panel-mount or JIC enclosure.

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Applications

The Lanscan First Event Annunciator is ideal for use with ovens, dryers, conveyors, machine tools, process control systems and automated handling systems.

Benefits

- Short scan time allows the unit to discriminate between fast occurring events. (Conventional PLC's often have scan times more than 10 times slower and may be unable to correctly detect the first event.)
- First out indication can be interfaced with most PLC's.
- Ideal for hard wired series string interlocks, including: Combustion system permissives, conveyor interlock circuits, HVAC systems (boilers, air handlers), and automated material handling safety interlocks.

Operation

The Lanscan annunciator senses the first contact that opens and directs the equipment operator to the basic cause of a malfunction or the first event in a process sequence. The first event, whether intermittent, self-correcting or maintained, turns the appropriate indicator lamp on and triggers an alarm relay. This alarm relay can be used to sound an audible alarm. When a contact is latched, the relay will remain energized and all other inputs are locked out until the fault is corrected and the Lanscan unit is manually reset.

Typical Interlocks Include:

- Limit Switches
- Flame Safeguards
- Pressure Sensors
- Humidity Sensors
- Flow Switches
- Gas Detectors
- Level Detectors
- Relay Contacts
- Temperature Sensors
- Operator Devices

Noise immunity circuits in the Lanscan module help discriminate between valid faults and noise spikes, which may be generated by energizing or de-energizing contacts in non-monitored parts of the system circuit. The Lanscan annunciator operates over a wide voltage span. A drop in the line voltage, common when large equipment is started, will not affect its operation.

Specifications

Power - 120V ±10% 50/60 Hz
Operating Temperature - 0°C to 50°C

Inputs - 8, 16, 24 or 32 optically-isolated points (may be expanded by interconnecting individual units)

Input Voltage - 120VRMS ±10% 50/60 Hz (other voltages available)

Fault Detection - Senses voltage across an open contact.

Reset - Manual by reset pushbutton

Lamp Test - Turns on all lights. This will not interrupt a fault indication if it occurs during the test.

Output Relay - Form C contact 1 amp at 120 VAC. Energized during fault condition.

Mounting - Panel mount or JIC enclosure

Display Legends - User defined; Each display indicator may contain up to 3 lines with 10 characters per line.

Dimensions

Model	Panel Mount W x H x D	J.I.C. Enclosure W x H x D
8 point	6″ x 5″ x 3 1/2″	10″ x 8″ x 4″
16 point	6″ x 7″ x 5 1/2″	10″ x 8″ x 6″
24 point	11″ x 7″ x 5 1/2″	12″ x 10″ x 7″
32 point	11″ x 7″ x 5 1/2″	12″ x 10″ x 7″

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