



## 5250-\* (Software Options) LIGHT SIGNALING

### CONTACT MONITORING INTELLIGENT CONTROL MODULE w/Screw Terminals

The Tech Works 5250-\* is an Intelligent Interface Module without lights or buttons and is capable of supporting up to four passive push buttons and lights. The 5250-\* are a surface-mounting device constructed of cold rolled steel with a removable cover plate. The 5250-LCS is designed for use with normally open momentary contact closures which with the first push of each button lights a *steady* or a *flashing* corresponding light depending on the "S" software selection dipswitch position. A second push extinguishes the lamp. The 5250-MCS is designed for use with maintained contact closure remote switches. The "S" software selection dipswitch determines whether a normally open or normally closed maintained contact will be monitored. With the "S" switch down, a normally open contact can be monitored, sending a *fast flashing* signal when the contact is closed and *off* when the contact is open. When the "S" switch is up, a normally closed contact is monitored sending a *fast flash* message when the contact closure opens and off when the loop is closed. The Intelligent Data Network Communication allows the status of these buttons and lights to be sent to Intelligent Master/Annunciator and other Substations.

#### BENEFITS

- Low Power
- Solid-State - No Maintenance
- Easy to Program
- Two Twisted Pair Cable

#### Design Information

12 VDC - @ 44 mA Minimum / 240 mA Max  
Dimensions - 2.75" W, 4.5" H, 1.25" D

#### Wiring is Two Twisted Pair Cable

Two sets of four-position dipswitches program the Interface Module address. The first set specifies which Master/Annunciator to display the light status while the second set specifies the column of lights on the Master/Annunciator to correspond to this Module. Any two or more Intelligent Modules having the same address will be totally interactive.

## Tech Works™



"Making Specialized Communication Easy"

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## \*Software Options

- 5250-DCS Duress-Call Substation**  
Momentary Contact Inputs – Screw terminal for Call/Reset from passive device.  
Supports passive call buttons sending fast flash on first push and reset after acknowledgement
- 5250-LCS Light-Call Substation**  
Momentary Contact Inputs - Two Status Level Outputs – Flashing or Steady (dipswitch selectable), or Off
- 5250-MCS Maintained Closure Substation**  
Maintained Contact Inputs - Two Status Level Outputs – Flashing (dipswitch selectable), from normally open or closed contract
- 5250-RCS Residence-Call Substation**  
Maintained/Momentary Contact Inputs – Fast Flash or Steady (dipswitch selectable), from normally open or closed contact
- 5250-LCBRS Broadcast Substation**  
Sends the same information to Multiple Masters. It has two options. If option switch is off it will transmit to its own master address and master address +1. If option switch is on, it will transmit to All Masters. This unit ignores updates from other nodes having the same address as its own. Only one of these units should be installed per column for all masters or master and master + 1 address depending on the position of the option switch.

## Architects' and Engineers' Specifications

The Light Signaling System Intelligent Interface Module shall be a surface-mounting device constructed of cold rolled steel with a removable cover plate. The Module shall not have any lights or buttons and shall include screw terminals on the rear for support of passive push buttons and lights. Each push button screw terminal shall have an associated "LED" screw terminal to support a remote signaling light. Two four-position dipswitches set by the installer shall determine the group and Master address. Any two Intelligent Modules having the same address must be totally interactive. Any system not capable of installer programmable interaction of Modules shall not be considered under this specification. The Interface Module shall be an intelligent electronic device requiring no more than 60 mA at 12 Volts DC for full operation. The system shall operate on two twisted pair parallel wiring. Systems requiring more than two twisted pairs from one Module to the next for full operation shall not be considered under this specification.

The **5250-LCS** push button screw terminals shall operate as a multi-function momentary switch with the first push of each button changing the status from *off* to *steady* or *flashing*, and the second push changing to *off*. Two software configurations are included with each unit. When the software select switch is in the down position, all positions are set to turn on a *steady* light with the first push of a button. If the select switch is up, all positions are in a *flashing* mode.

The **5250-MCS** push button screw terminals shall operate with maintained contact closure remote switches. Two software configurations are included with each unit. When the software select switch is in the down position, a normally open contact can be monitored sending a *fast flashing* signal when the contact is closed and an *off* when the contact is open. If the select switch is up, a normally closed contact is monitored sending a *fast flash* message when the contact closure opens and an *off* when the loop is closed.

The **5250-RCS** has a combination of contact closure inputs. The first input is a maintained contact input, normally open or normally closed (dipswitch selectable), with a fast flash output for connection of things like smoke detectors or motion detectors. The second, third and fourth input are normally open momentary contact inputs. The second input has an associated fast flash output for bath or emergency stations and the third and fourth inputs have a steady output for connection of bed, check-in, or presence stations.

The Light Signaling System Substation shall be Tech Works Model 5250-\* (Note to specifier – add suffix to indicate desired feature options)