



5230-* (Software Options) *LIGHT SIGNALING* **SEMI-FLUSH MOUNT SUBSTATION**

**BASIC MOMENTARY CONTACT
MONITORING
INTELLIGENT SUBSTATION**
w/Screw Terminals

The Tech Works 5230-* is an Intelligent Interface Module without lights or buttons and is capable of supporting up to four passive push buttons and lights. The 5230-* is a semi-flush mounting device constructed of ABS plastic with a water-resistant Lexan faceplate. The 5230-* 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 Intelligent Data Network Communication allows the status of these buttons and lights to be sent to Intelligent Master/Annunciator and other substations. 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.

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
Standard 1-Gang Electrical Box Mounting
Wiring is Two Twisted Pair Cable

Tech Works™



"Making Specialized Communication Easy"

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*Software Options

5230-DCS Duress-Call Substation

Momentary Contact Inputs – Screw terminal for Call/Reset from passive devices
Supports passive call buttons sending fast flash on first push and reset after acknowledgement

5230-LCS Light-Call Substation

Momentary Contact Inputs - Two Status Level Outputs – Flashing or Steady (dipswitch selectable), or Off
For connection of passive buttons/devices

5230-MCS Maintained Closure Substation

Maintained Contact Inputs - Two Status Level Outputs - Flashing or Off (dipswitch selectable), from normally open or closed contact
For connection of passive buttons/devices

5230-RCS Residence-Call Substation

Maintained/Momentary Contact Inputs – Fast Flash or Steady (dipswitch selectable), from normally open or closed contact

Architects' and Engineers' Specifications

The Light Signaling System Substation shall be a semi-flush mounting device constructed of ABS plastic with a water-resistant faceplate. 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 240 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 **5230-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 **5230-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 **5230-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 5230-* (Note to specifier – add suffix to indicate desired feature options)