



CC2-CM-4

Mini Control Module

BENEFITS

- Easy to Install
- Easy to Program
- Easy to Operate
- Durable Construction
- Two Twisted Pair Cable

The Tech Works **CC2-CM-4** is a mini Control Module designed to work with Tech Works Intelligent Networks. Units are equipped with screw terminals capable of supporting up to four passive push buttons and lights. The **CC2-CM-4** is a surface-mounting device constructed of cold rolled steel with a removable cover plate and is designed for use with normally open momentary, or maintained, or normally closed maintained, contact closures.

The first push of each button lights a *steady* or a *flashing* corresponding light depending on the software "Option" selection dipswitch positions. A second push extinguishes the lamp.

LED outputs are protected from short circuit and over current to prevent damage from overloading or miswiring. Each LED output have an associated indicator to tell the technician the current status of each output.

A common "Alarm" output is provided to activate other integrated equipment by other manufacturers such as loud buzzers or remote dialers. The Alarm output is optically isolated to protect other electrical devices.

The *Tech Works* Intelligent Data Network Communication allows the status of these buttons and lights to be sent to Intelligent Master/Annunciator and other Substations. Dip switches provide easy addressing for each network module to work with other network devices.

Associated Equipment

CC2-RS-4	Room Status Substation
CC2-DL-44	Smart Dome Light
CC2-AN-84	8-Column, 4-Color Annunciator
CC2-MC-16	Control Panel
PXX-2410 or PS-2437B	Power Supply

Design Information

Power	11-25 V DC @ 44 mA Min. / 240 mA Max.
Color	Light Gray
Mounting	Wall / Backboard
Dimensions	7" W x 3" H x 1.25" D
Weight	3 lbs.

Architects' and Engineers' Specifications

The Light Signaling System Control Module shall be a surface-mounting device constructed of cold rolled steel with a removable cover plate. The Module shall include screw terminals 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. The first push of each button sends a message to the network changing the status of the associated light from *Off* to *On steady* or *flashing*, and the second push changing to *off*. The Control Module shall be an intelligent electronic device, addressable by the installer, requiring no more than 240 mA at 11-25 Volts DC for full operation. The system shall operate on two twisted pair parallel wiring. Any system that requires more than two twisted pair wire and is not installer programmable will not be considered under this specification.

The Light Signaling System Substation shall be

Tech Works Model CC2-CM-4

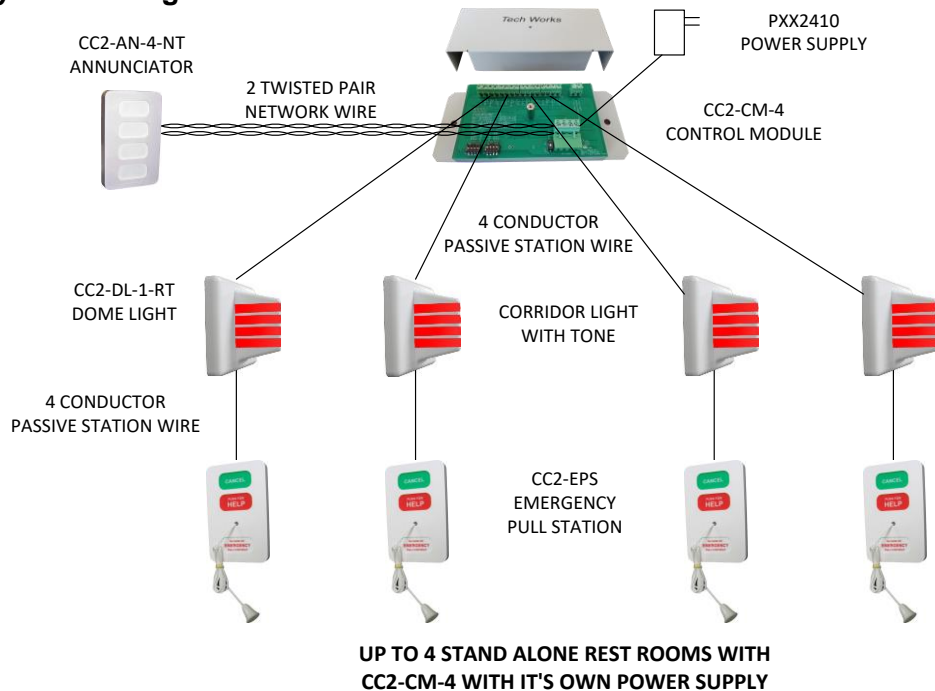


Tech Works®

"Making Specialized Communication Easy"



CC2-CM-4 System Wiring



Each Substation is equipped with dipswitches for installer programming of the system. The first set of switches selects the Master or group of Masters on which this Substation will be displayed. The second set of dipswitches selects the column of lights on the Master to represent this Substation. Any two Substations with the same address will be totally interactive. This means the push of a button on one sub will light its light, as well as the light on the other sub with the same address.

Function Options Include:

Option 1 = 0 & Option 2 = 0

All inputs are a momentary contact sending a *Fast Flash Light* message when the contact is closed and *Off* when the contact is closed a second time.

Alarm Output is pulsing with the light.

Option 1 = 1 & Option 2 = 0

All inputs are a momentary contact sending a *Steady Light* message to the network when the contact is closed and *Off* when the contact is closed a second time.

Alarm Output is a single pulse each time a *Steady Light* comes on.

Option 1 = 0 & Option 2 = 1

Functions like 0:0 except Switch Input 1 becomes a normally open maintained contact closure sending a *Fast Flash Light* message when the contact is closed and *Off* when the contact is opened.

Alarm Output is pulsing with the light.

Option 1 = 1 & Option 2 = 1

Functions like 0:0 except Switch Input 1 becomes a normally closed maintained contact closure sending a *Fast Flash Light* message when the contact is open and *Off* when the contact is closed.

Alarm Output is pulsing with the light.

For further system set up and adjustment please see the System Planning Guide.

