



INSTALLATION INSTRUCTIONS FOR DCP-R2M DUAL RELAY MODULE

The information contained in this installation instruction is a quick reference guide. For detailed system information refer to the panel manufacturer's installation manual. This instruction will not address specific programming procedure.

GENERAL DESCRIPTION

This instruction applies to the DCP Dual Relay Module (R2M) which is to be connected to a DCP Signaling Line Circuit (SLC). The R2M provides two separately controlled sets of Form C dry relay contacts for general purpose control functions at one address point. Typical applications are where normally open or normally closed contacts are needed. Examples are: elevator recall, door closure, turning fans on or off, and auxiliary indications.

MOUNTING REQUIREMENTS

The DCP Relay module is mounted as shown in Figures 2 and 2A on page 2 of this instruction.

WIRING

NOTE: All wiring must conform to local codes, ordinances and regulations

- 1) Install module wiring in accordance with the job drawings and appropriate wiring diagram (see Fig.3).
- 2) Secure the module to a U.L. listed electrical box (supplied by installer), as shown in Figures 2 and 2A.
- 3) Address must be set before cover plate is attached with no loop power applied, or the loop wires disconnected (see Figure 1).

NOTE: An average of 6.75mA (communication current) per loop of SLC devices, must be factored into the panel battery backup calculations.

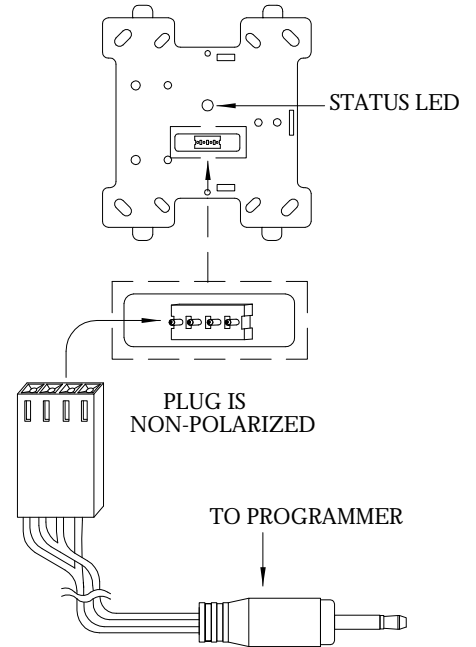


FIGURE 1.
EXPLODED VIEW OF ADDRESS
PROGRAMMING PLUG AND CONNECTOR

CAUTION !!!
TO ENSURE PROPER
OPERATION CONNECT THIS
MODULE TO A COMPATIBLE
FIRE CONTROL PANEL ONLY.
REFER TO PANEL
INSTRUCTIONS FOR PROPER
CONNECTION AND
COMPATIBILITY.

CAUTION !!!
If this module will be installed in an existing
operational system, inform the operator
and local authority that the system will be
temporarily out of service.
Disconnect power to the control panel
before installing the module

SPECIFICATIONS

Absolute Maximum Applied Voltage	S, SC: 41 VDC
Supply Voltage Nominal	S, SC: 33 VDC
Average Current Consumption (S, SC)	Normal Mode: 100 μ A Maximum : 150 μ A
Relay Contact Ratings	1A @ 30 VDC OR 0.5A @ 125 VAC
Operating Temperature Range	0°C (32°F) ~ 49°C (120°F)
Storage temperature	-30°C (-22°F) ~ 70°C (158°F)
Dimensions	4.2"W X 4.7"H X .85"D
Environment	Indoor use only
Visual Indicator (status LED)	bi-color LED - Green and Red Color and mode - selected and programmed by Control Panel's software (pulsing, steady, etc.)

HOCHIKI AMERICA CORPORATION
7051 VILLAGE DRIVE, SUITE 100
BUENA PARK, CA 90621-2268

DWG. # HA-06-099
(PG 1 OF 2, 01/04)
PART# 1700-10152

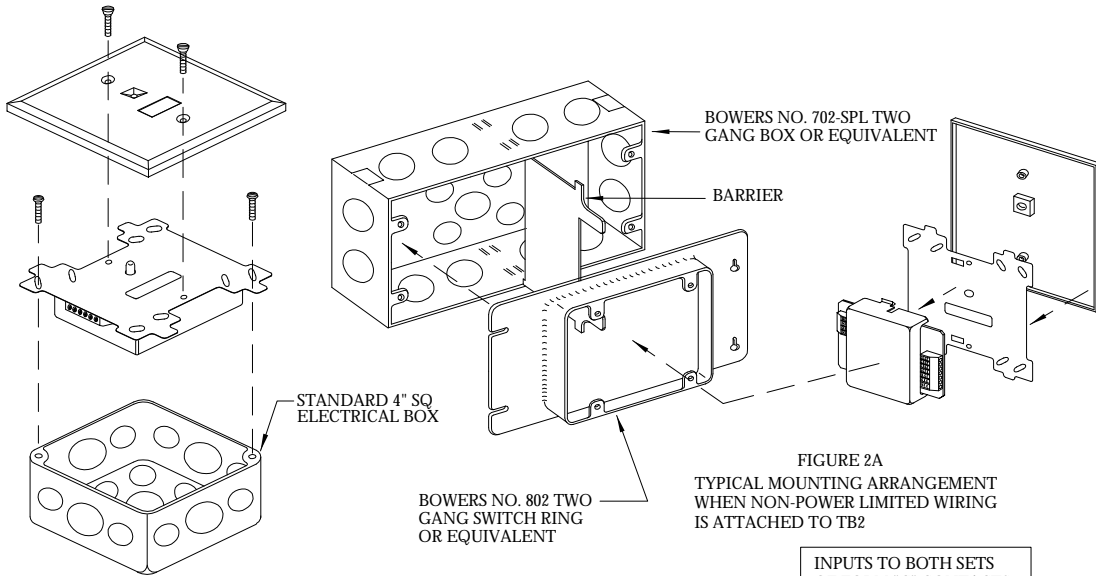


FIGURE 2
TYPICAL MOUNTING ARRANGEMENT
WHEN POWER LIMITED WIRING IS
ATTACHED TO TB2

FIGURE 2A
TYPICAL MOUNTING ARRANGEMENT
WHEN NON-POWER LIMITED WIRING
IS ATTACHED TO TB2

INPUTS TO BOTH SETS
OF FORM "C" CONTACTS
MUST BE EITHER POWER
LIMITED OR NON-POWER
LIMITED. DO NOT MIX
POWER LIMITED WIRING
WITH NON-POWER
LIMITED WIRING ON TB2.

ALL WIRING SHOWN ON
TB2 IS NOT SUPERVISED.
CONTACTS ARE SHOWN IN
STANDBY MODE - REFER
TO CONTROL PANEL'S
OPERATION MANUAL FOR
PROPER RELAY OPERATION
AND CONFIGURATION.

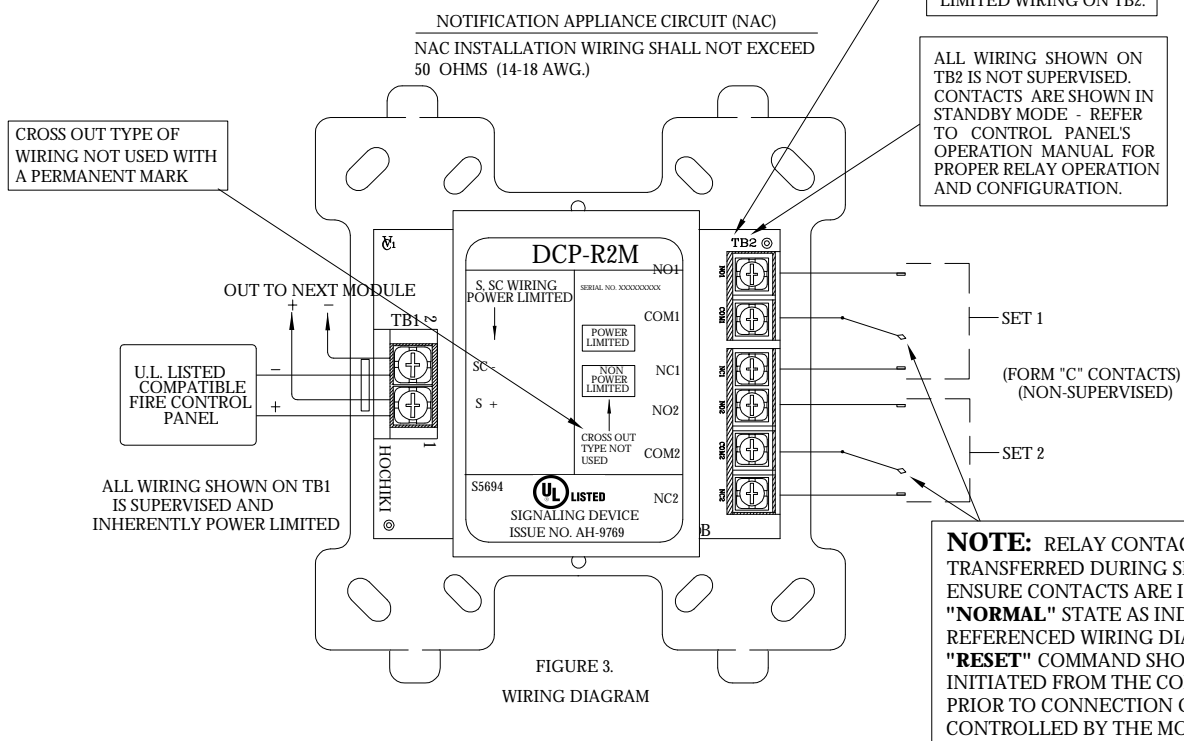


FIGURE 3.
WIRING DIAGRAM

One Year Limited Warranty

Hochiki America (HA) warrants its digital communication modules to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for a period of one (1) year from date of delivery. All warranties are void and HA is not obligated to repair or replace equipment which has been repaired by others, abused, improperly installed, altered or otherwise misused or damaged or exposed to conditions outside the products specifications in any way. HA will not be responsible for any dismantling, reassembling or re-installation charges. Please contact HA's Sales department for proper procedure for claims and return of merchandise. This warranty is in lieu of all other warranties expressed or implied.