

FEATURES

- UL. Listed, File #S425, Standard #864
- CSFM. Listed #7120-065:122
- FM Listed, #OV7A2.AY
- Compatible with the MPC-2000 Control Unit
- BSA. Approved, calender #524-77-SA under the MPC-2000
- 32 Character alpha-numeric backlighted display
- Auto-scrolling system alarm and trouble status displays
- Automatic system alarm status display priority
- Individual red system alarm and amber system trouble LEDs
- Green power on LED
- 5 Digit security access code for system control switches
- Individually enabled system reset, system alarm silence and system drill test/recall switches
- Red alarm silenced LED
- Integral trouble buzzer with trouble silence switch and automatic restoration
- Integral annunciator lamp test switch
- Current time and date normal display
- IBEW./USA. Crafted

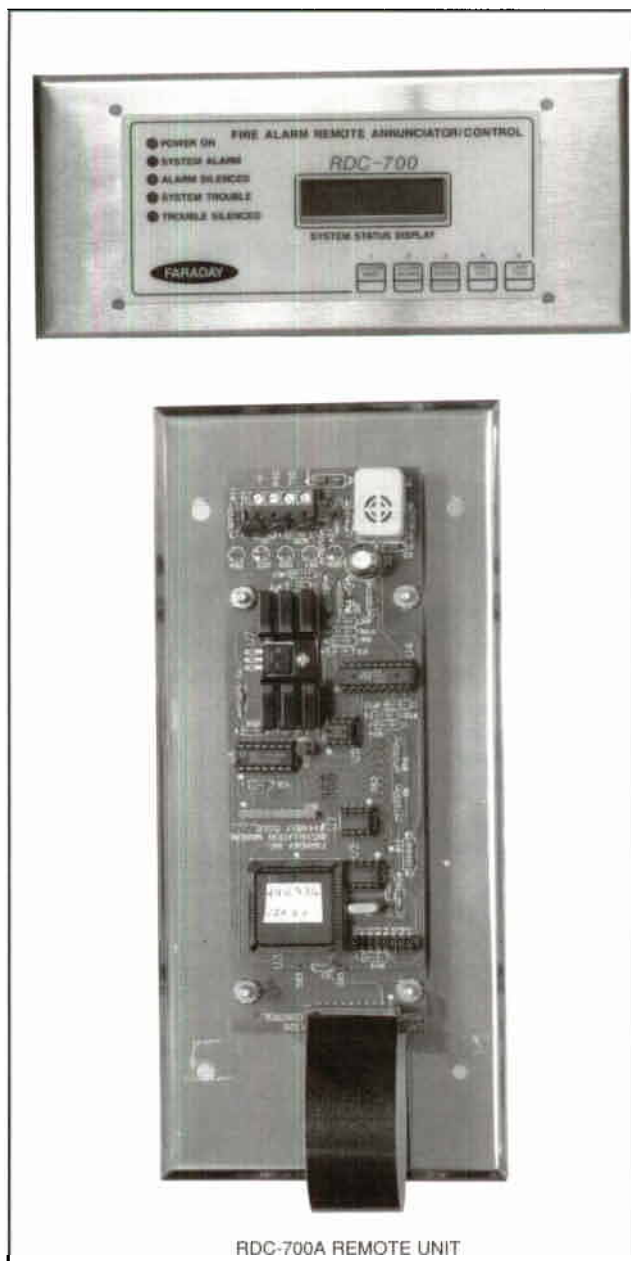


DESCRIPTION

The RDC-700A remote display/controller provides a complete remote visual LCD system status display and remote system control center for the MPC-2000 fire alarm system control panel. The RDC-700A also includes an integral system trouble unit with trouble buzzer and buzzer silence switch. A remote unit lamp test switch is provided.

The visual system status displays are accomplished via a 32 character (16 x 2) alpha-numeric LCD backlighted display. All system alarm and trouble status' are reported in an auto-scrolling format with automatic alarm message priority override. The LCD display in the RDC-700A is automatically compatible with the CMD-1 software option, if used, in the MPC-2000 FACP. Additional individual red system alarm and amber system trouble discrete LEDs have also been included on the RDC-700A. A green power on LED and the current time and date are the normal system status displays.

The remote system control functions are accomplished via a (5) switch membrane key pad located on the front of the RDC-700A. Generally accessible keys are provided for unit buzzer silence and unit lamp test. By keying the appropriate (5) digit access code a user may gain access to the remaining system control keys to allow for remote system reset, system alarm silence and system drill test/recall functions. The system control keys may be independently enabled or disabled via programming jumpers on the rear of the RDC-700A at the time of installation for each particular RDC-700A unit. Additional individual red system alarm silenced and amber trouble silenced discrete LEDs have also been included on the RDC-700A.



RDC-700A REMOTE UNIT

TECHNICAL DATA

Mounting	Standard 5 gang box (by others)
Wiring	(2) pair, #20 GA. min., 2000 ft. max.
Power Consumption	Alarm-.065 Amp. Standby-.055 Amp.
Transmission Format	Multiplexed, Supervised style "W", Power limited
# of units addressable per drive ckt.:	(4)
# of units addressable per system:	(8)

ORDERING INFORMATION

<u>Order #</u>	<u>Catalog #</u>	<u>DESCRIPTION</u>
401347	RDC-700A-S	32 Character Remote Display/ Controllers, Stainless
401347-0-14	RDC-700A-R	32 Character Remote Display/ Controllers, Red
401283-0-14	DWB-700-R	Desk Top Console, /Surface Wall Mount, Red
401283-0-3	DWB-700-B	Desk Top Console, /Surface Wall Mount, Black

FARADAY RDC-700A LCD ANNUNCIATOR/CONTROLLER AND ACCESSORIES

TYPICAL WIRING FOR CAT. NO. SI-2/ PART NO. 401339 SERIAL INTERFACE and CAT. NO. RDC-700A/ PART NO. 401347 REMOTE DISPLAY/CONTROLLER FOR PARALLEL CHANNEL MODULES

POWER CONSUMPTION REQUIREMENTS:

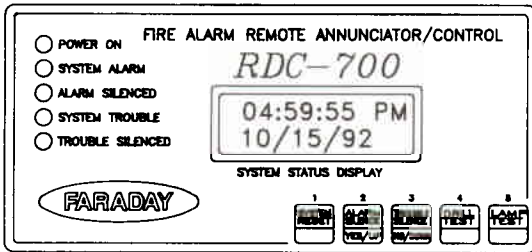
SI-2
ALARM - .200 AMP.
NORMAL - .050 AMP.
RDC-700A (EACH)
ALARM - .065 AMP.
NORMAL - .055 AMP.

SPACE REQUIREMENTS:
MODULE - 1
TRANSFORMER - 0

INTERNAL CONTROL PANEL CONNECTION WIRING

INPUT: SI-2 MODULE POWER FROM MP-3 OR AP-4 NON-RESETTABLE POWER SUPPLY 24 VDC SEE NOTE 1

RDC-700A UNITS TO BE MOUNTED IN STANDARD 5 GANG ELECTRICAL OUTLET BOX



REMOTE DISPLAY/CONTROLLER

EACH CIRCUIT MAY HAVE UP TO 4 REMOTE UNITS. CIRCUIT A MUST HAVE 4 REMOTE UNITS ATTACHED BEFORE ANY REMOTE UNITS ARE WIRED TO CIRCUIT B.

SET JUMPERS AS REQUIRED UPON RDC-700A INSTALLATION

	CIRCUIT A	CIRCUIT B
REMOTE DISPLAY ADDRESS	J2-0 REMOTE #1	REMOTE #5
	J2-1 REMOTE #2	REMOTE #6
	J2-2 REMOTE #3	REMOTE #7
	J2-3 REMOTE #4	REMOTE #8
KEYPAD ENABLE	J2-4	RECALL
	J2-5	SYSTEM RESET
	J2-6	DRILL TEST
	J2-7	ALARM SILENCE

FIGURE SHOWN IS SETUP FOR REMOTE #1 OR REMOTE #5 AND ALL KEYS ENABLED.

SEE OWNERS MANUAL (P/N 444851B) FOR TYPICAL CABLE HOOK-UP DIAGRAM FOR MPC-2000 FIRE ALARM SYSTEM PARALLEL CHANNEL

FRONT COVER LABEL

NOTE 1.) A MINIMUM WIRE SIZE OF 14 AWG MUST BE USED FOR INTERNAL CONTROL PANEL CONNECTION WIRING.

445084 ISSUE II - REV. B
FARADAY INC.

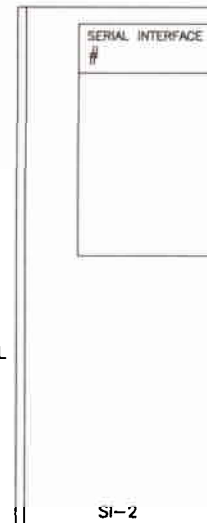
EXTERNAL FIELD WIRING CONNECTIONS

Rxd
Txd

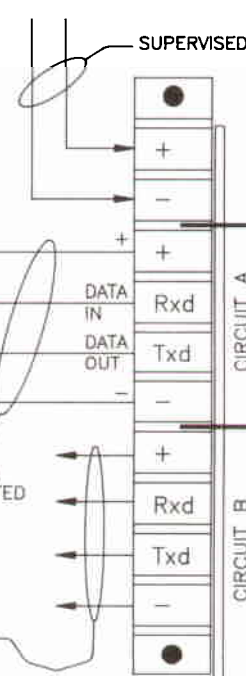
TO ADDITIONAL REMOTES IF REQUIRED

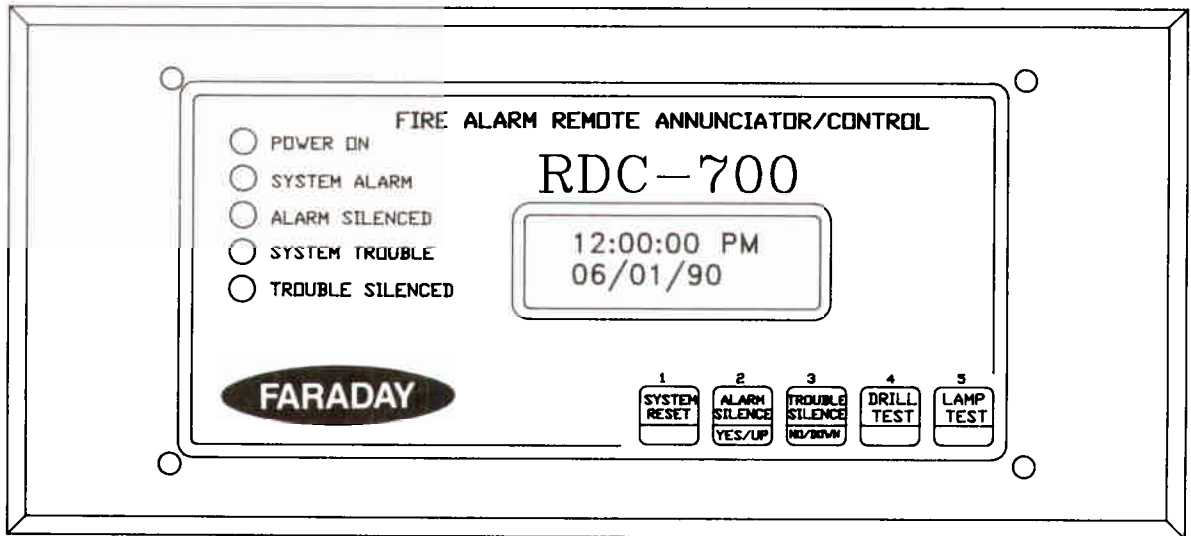
CKT. #A SUPERVISED, POWER LIMITED

CKT. #B SEE CKT. #A FOR TYPICAL PARAMETERS

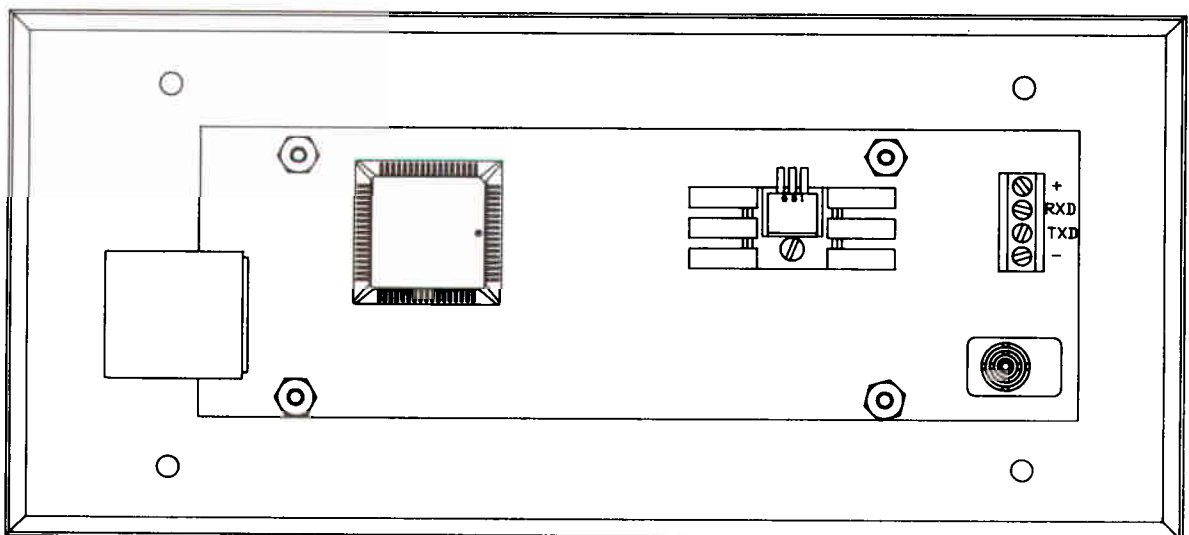


SI-2 MODULE





FRONT VIEW OF RDC-700A



REAR VIEW OF RDC-700A