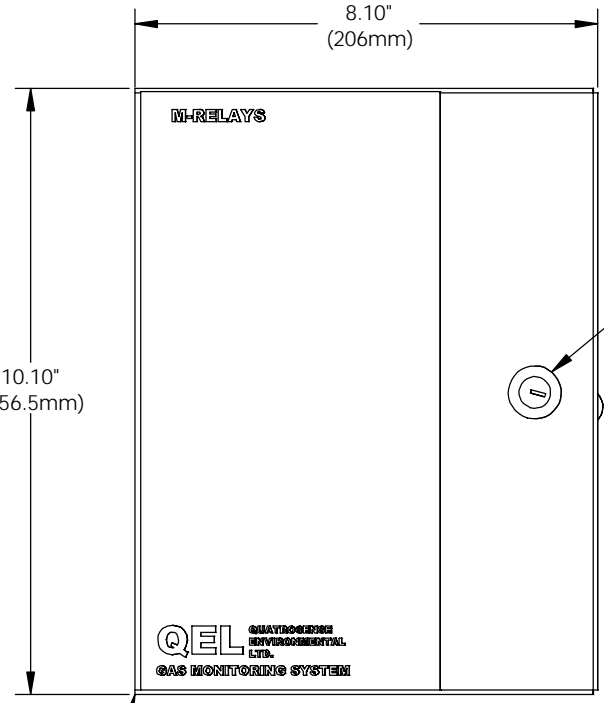
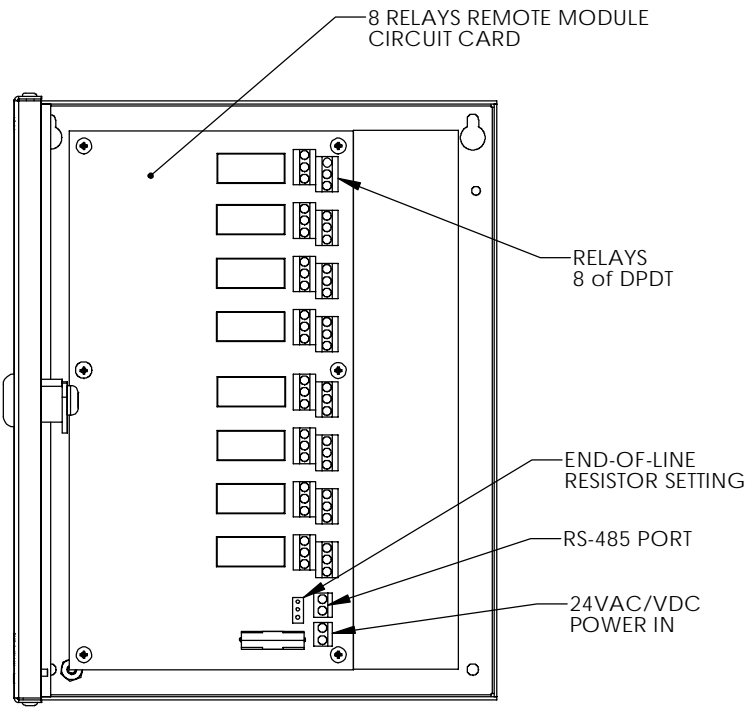


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPV
	A	FIRST RELEASE	03-02-14	
	B	ECN569	03-07-16	
	C	ECN603	03-10-23	



APPLIES TO THE FOLLOWING CONFIGURATIONS

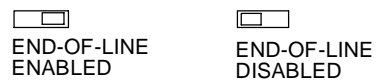
- 84330-300-001 = 2 RELAYS
- 84330-300-002 = 4 RELAYS
- 84330-300-003 = 6 RELAYS
- 84330-300-004 = 8 RELAYS

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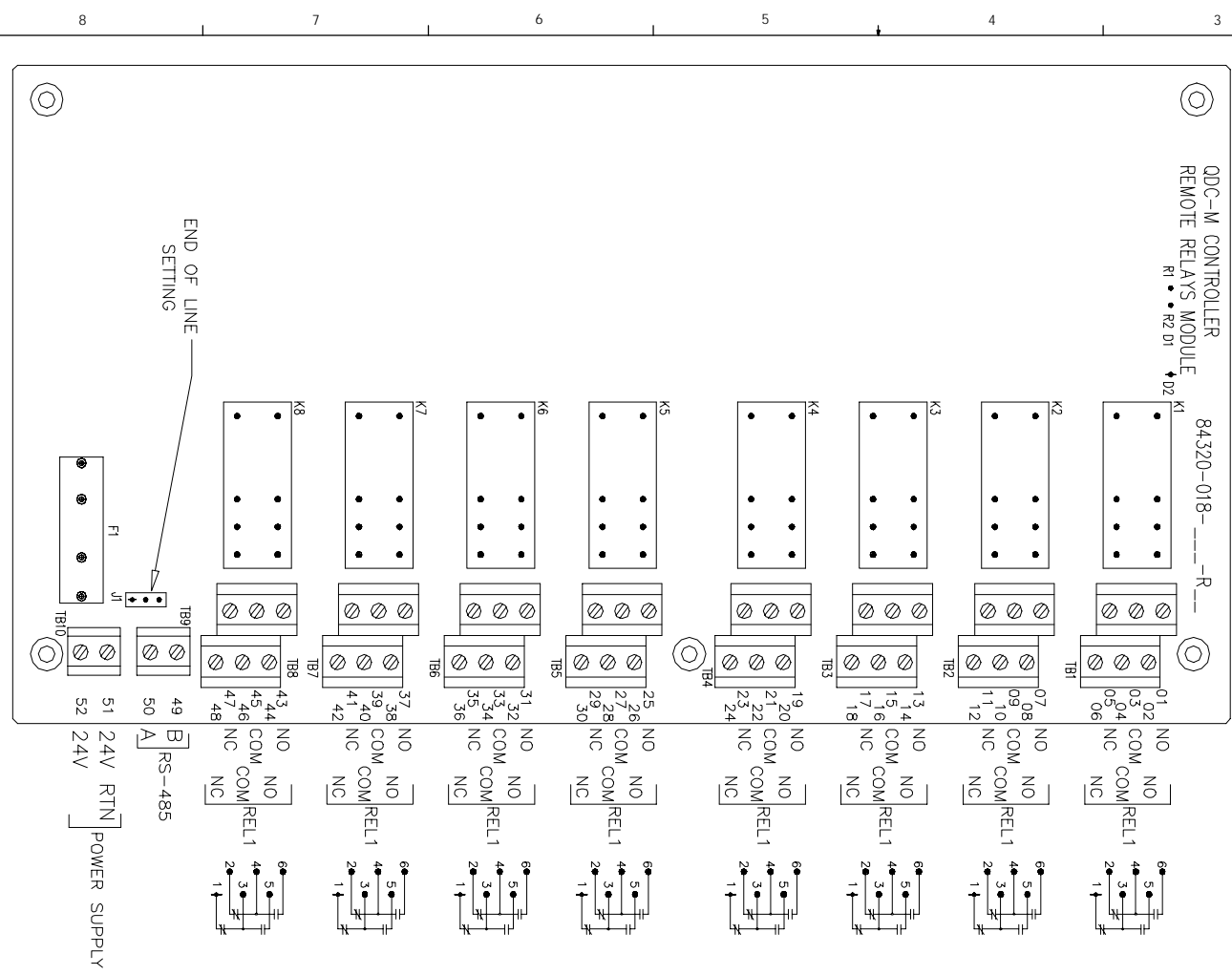
		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	QUATROSENSE ENVIRONMENTAL LTD
		DIMENSIONS ARE IN INCHES	DRAWN	Y.DUBE	03-02-14
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL:			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			
		TITLE:		84350-003-000	
		SIZE	DWG. NO.	REV	
		B	84350-003-000	C	
		SCALE: 1:2	WEIGHT:	SHEET 1 OF 4	

REVISIONS			
ZONE	REV.	DESCRIPTION	APPV
		SEE SHEET ONE	

RS-485 END OF LINE SETTING



NOTE:
 J1 END OF LINE ENABLE 120 OHM.
 LINE MATCHING RESISTOR. ALWAYS
 USE FOR LAST DEVICE IN COMMUNICATION
 LINK. NEVER USE FOR INTERMEDIATE
 POSITIONS.



QDC-M CONTROLLER
 REMOTE RELAYS MODULE
 R1 • R2 D1 ← 02
 84320-018-R

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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: BACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		Y. DUBE	03-02-14	
INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL		CHECKED		TITLE: 5 AMP RELAY MODULE INSTALLATION DRAWING
FINISH		ENG APPR.		
NEXT ASSY USED ON		MFG APPR.		
APPLICATION		Q.A.		SIZE B DWG. NO. 84350-003-000 REV C
DO NOT SCALE DRAWING		COMMENTS:		SCALE: 1:2 WEIGHT: SHEET 2 OF 4

M-Relay-5 Amp Specifications

Power Supply

Voltage 24VAC NON-GROUNDED.
24VDC

2 Relays 3 WATTS
4 Relays 5 WATTS
6 Relays 7 WATTS
8 Relays 9 WATTS

Relay Contacts Double Pole Double Throw
240 VAC/ 30 VDC 5 Amps Resistive
3.7 Amps Inductive

Communications RS-485

Protocol/Compatibility: Optomux/ M-Controller subset

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPV
		SEE SHEET ONE		

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	QUATROSENSE ENVIRONMENTAL LTD
		DIMENSIONS ARE IN INCHES	DRAWN	Y.DUBE	03-02-14
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL:			
		FINISH:			
NEXT ASSY	USED ON				SIZE B DWG. NO. 84350-003-000 REV C
APPLICATION		DO NOT SCALE DRAWING			SCALE: 1:2 WEIGHT: SHEET 3 OF 4

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








M-Relays Functions and Addressing

The M-Relays modules are designed to allow expandability for control to the M-Controller. Controlled over an RS-485 communication link they allow flexibility in installation and wiring. They operate from 24 VAC/VDC and may be powered via the port power of the M-Controller or directly from a local power source.

Each relay module is addressed as a module number from 0 to 11. The module address is defined on a four position dipswitch on the circuit card. Each relay module may contain up to 8 relays.

Relay numbering from the standpoint of the M-Controller is numbered consecutively with numbers 1, 2 and 3 being the M-Controller internal relays and numbers 4 through 99 the relays in the remote modules.

The following table indicates the relationships.

Module Address	Dipswitch Setting	Relay Numbers per M-Controller Menu Assignments	Module Address	Dipswitch Setting	Relay Numbers per M-Controller Menu Assignments
0		4 to 11	6		52 to 59
1		12 to 19	7		60 to 67
2		20 to 27	8		68 to 75
3		28 to 35	9		76 to 83
4		36 to 43	10		84 to 91
5		44 to 51	11		92 to 99

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPV
		SEE SHEET ONE		

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DIMENSIONS ARE IN INCHES		DRAWN	Y.DUBE	03-02-19	TITLE: 5 AMP RELAY MODULE INSTALLATION DRAWING
TOLERANCES:		CHECKED			
FRACTIONAL ±		ENG APPR.			
ANGULAR: MACH ± BEND ±		MFG APPR.			
TWO PLACE DECIMAL ±		Q.A.			SIZE B DWG. NO. 84350-003-000 REV C
THREE PLACE DECIMAL ±		COMMENTS:		SCALE: 1:2 WEIGHT:	SHEET 4 OF 4
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL:				
FINISH:					
NEXT ASSY	USED ON				
APPLICATION	DO NOT SCALE DRAWING				