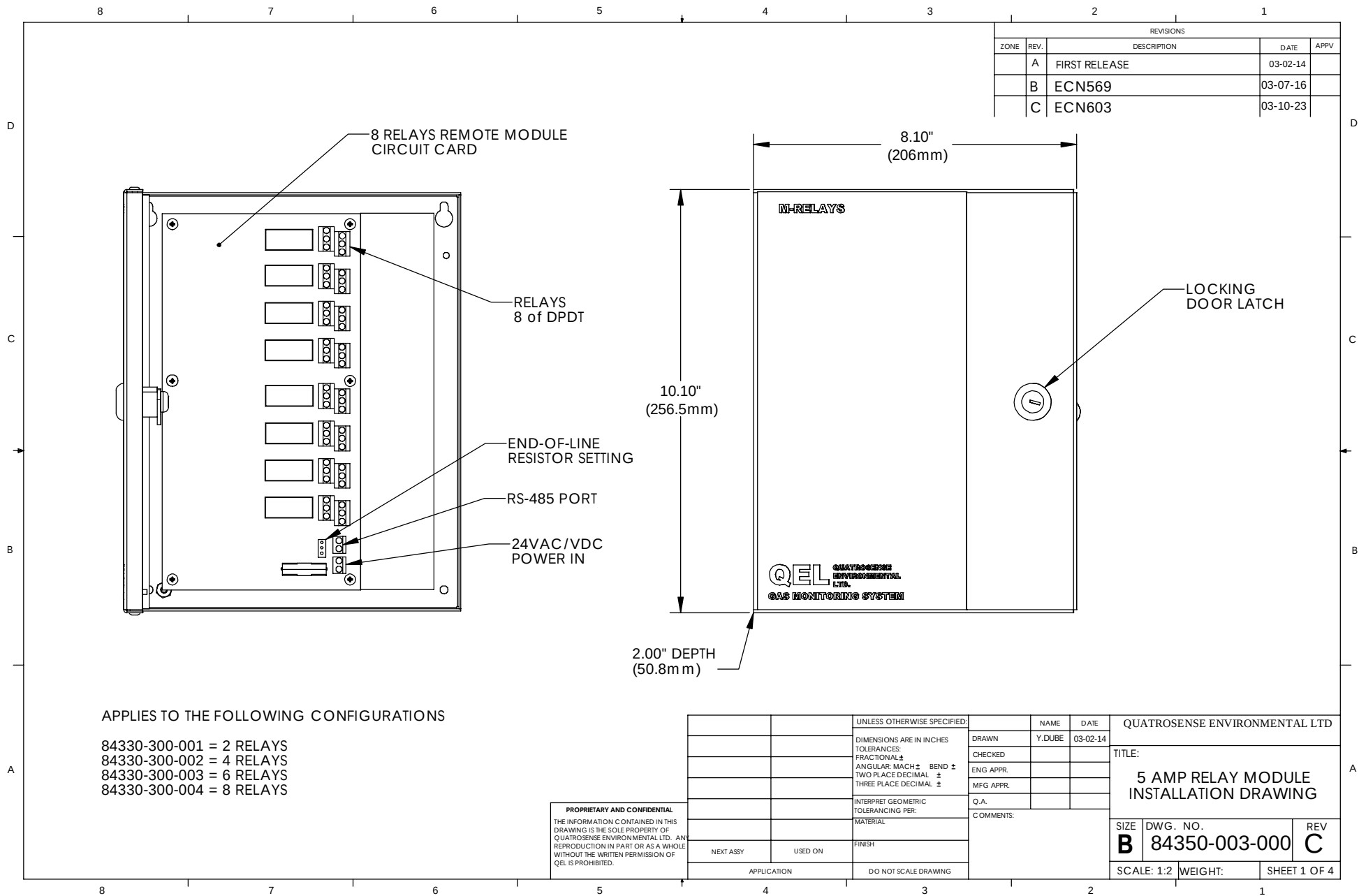




REVISIONS			
ZONE	REV.	DESCRIPTION	APPV
		SEE SHEET ONE	

RS-485 END OF LINE SETTING

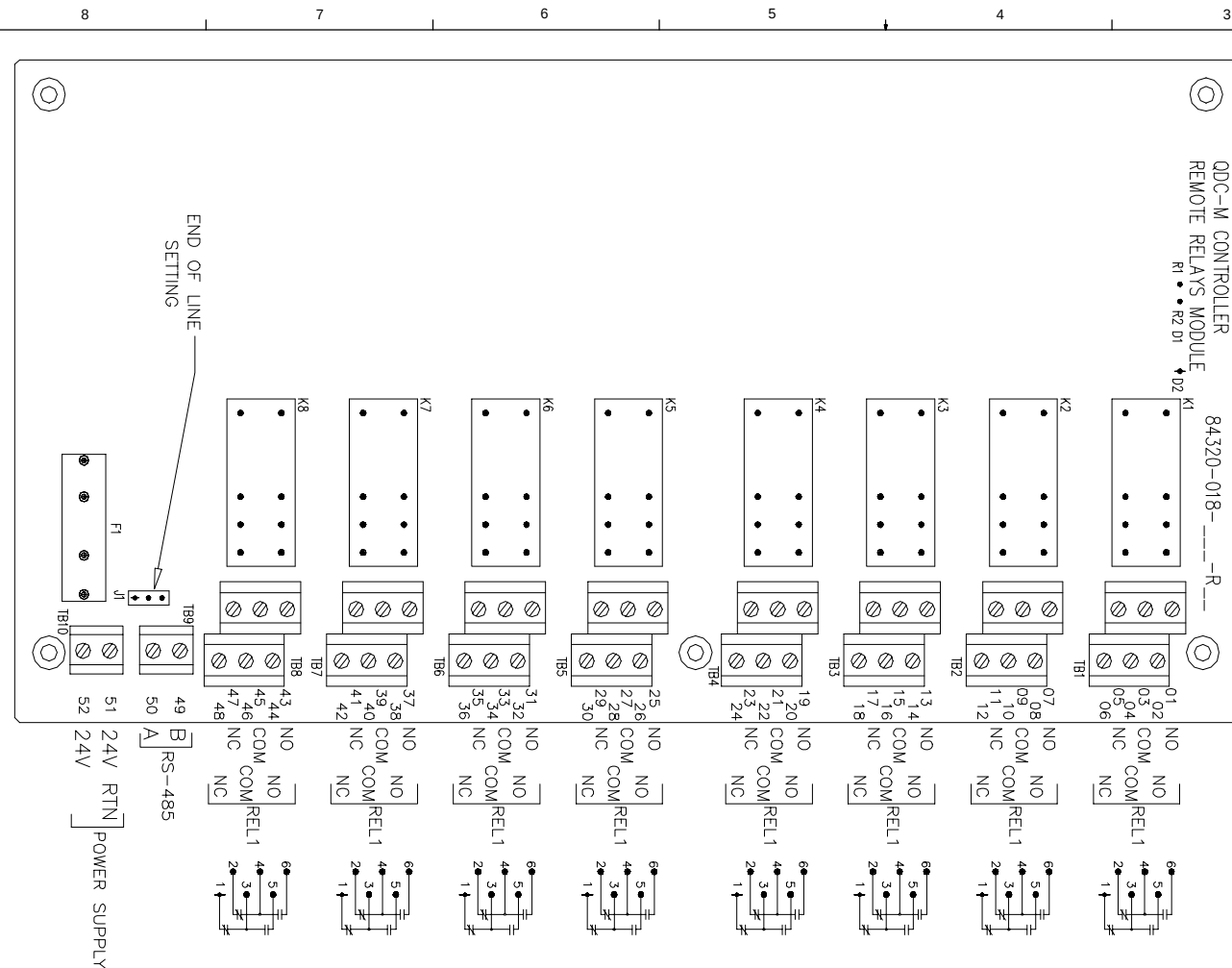


END-OF-LINE
ENABLED



END-OF-LINE
DISABLED

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



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QEL IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN INCHES	
TOLERANCES:	
FRACTIONAL $\pm$	
ANGULAR: MACH $\pm$ BEND $\pm$	
TWO PLACE DECIMAL $\pm$	
THREE PLACE DECIMAL $\pm$	
INTERPRET GEOMETRIC TOLERANCING PER:	
MATERIAL:	
FINISH:	
NEXT ASSY	USED ON
APPLICATION	
DO NOT SCALE DRAWING	

NAME	DATE	QUATROSENSE ENVIRONMENTAL LTD	
DRAWN	Y.DUBE	03-02-14	
CHECKED			
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:		TITLE:	
		5 AMP RELAY MODULE INSTALLATION DRAWING	
SIZE	DWG. NO.	REV	
B	84350-003-000	C	
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		

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		DIMENSIONS ARE IN INCHES	DRAWN	Y.DUBE	03-02-14	TITLE: 5 AMP RELAY MODULE INSTALLATION DRAWING		
		TOLERANCES:	CHECKED					
		ANGULAR: MACH± BEND ±	ENG APPR.					
		TWO PLACE DECIMAL ±	MFG APPR.					
		THREE PLACE DECIMAL ±	Q.A.			COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH				SIZE B		
NEXT ASSY		USED ON				DWG. NO. 84350-003-000		
						REV C		
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2		
						WEIGHT:		
						SHEET 3 OF 4		

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

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