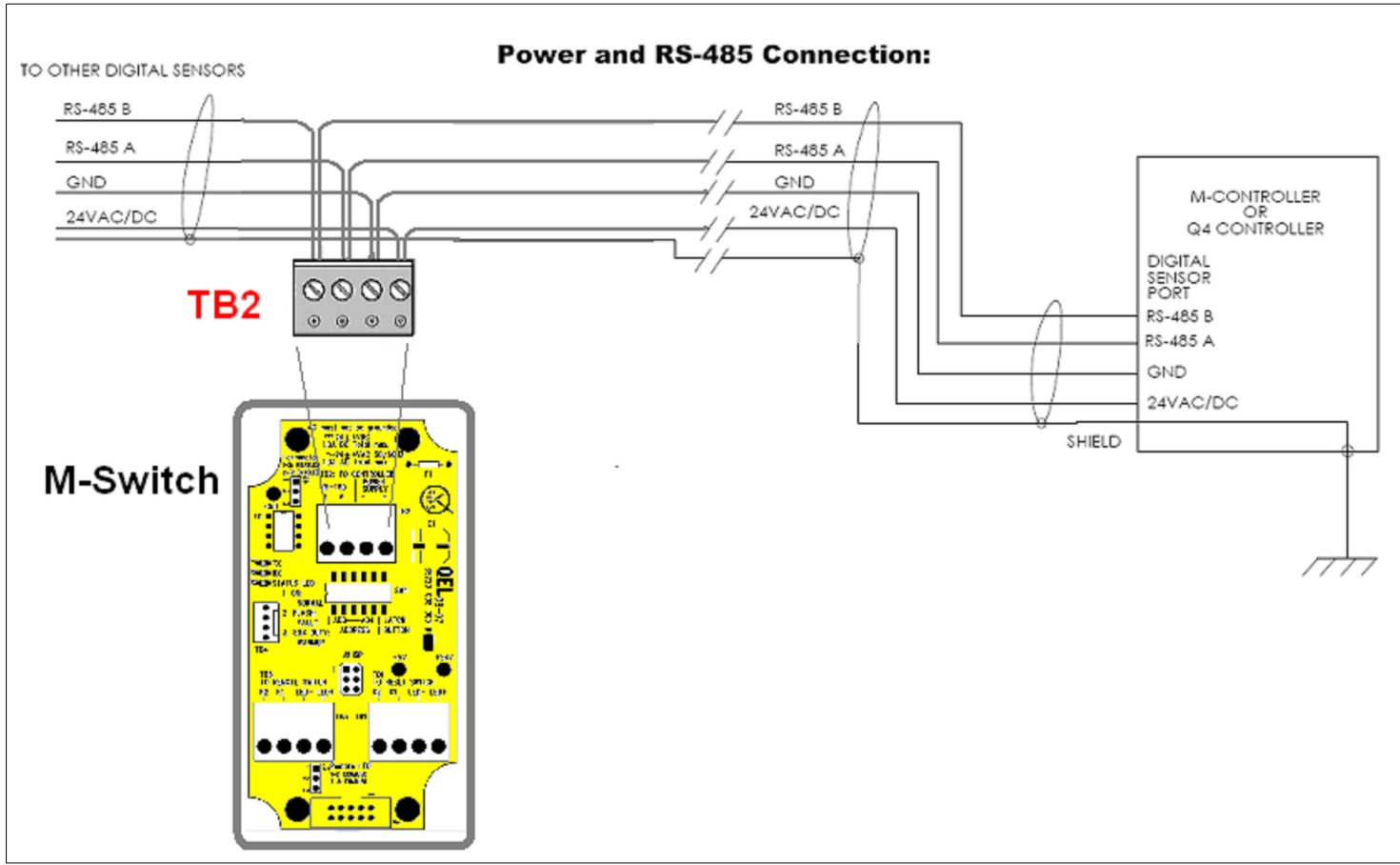




REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	See Sheet1	-	-



**NOTE:**

1. GROUND THE SHIELD IN CONTROLLER SIDE
2. GROUND ON ONE END ONLY
3. J4 1-2: TERMINATOR DISABLED / OFF (DEFAULT)
4. J4 2-3: TERMINATOR ENABLED / ON

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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ± INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL: FINISH: DO NOT SCALE DRAWING		NAME	DATE	Greystone Energy System Inc. TITLE: M-SWITCH, GES INSTALLATION DRAWING SIZE DWG. NO. REV <b>B</b> 85750-002-005 <b>A</b> SCALE: 1:2 SHEET 2 OF 5	
		DRAWN	XY 2024/10/07		
		CHECKED	XY 2024/10/07		
		ENG APPR.	XY 2024/10/07		
		MFG APPR.			
NEXT ASSY		USED ON		COMMENTS:	
APPLICATION					

## Address Table

ADDRESS 0	ADDRESS 1	ADDRESS 2	ADDRESS 3	ADDRESS 4	ADDRESS 5	ADDRESS 6	ADDRESS 7
ADDRESS 8	ADDRESS 9	ADDRESS 10	ADDRESS 11	ADDRESS 12	ADDRESS 13	ADDRESS 14	ADDRESS 15
ADDRESS 16	ADDRESS 17	ADDRESS 18	ADDRESS 19	ADDRESS 20	ADDRESS 21	ADDRESS 22	ADDRESS 23
ADDRESS 24	ADDRESS 25	ADDRESS 26	ADDRESS 27	ADDRESS 28	ADDRESS 29	ADDRESS 30	ADDRESS 31



DEFAULT:  
ADDRESS = 1  
LATCH = DISABLED

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NEXT ASSY USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL:  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	XY	2024/10/07
CHECKED	XY	2024/10/07
ENG APPR.	XY	2024/10/07
MFG APPR.		
Q.A.		

COMMENTS:

Greystone Energy System Inc.

TITLE:  
M-SWITCH, GES  
INSTALLATION DRAWING

SIZE DWG. NO.  
**B** 85750-002-005

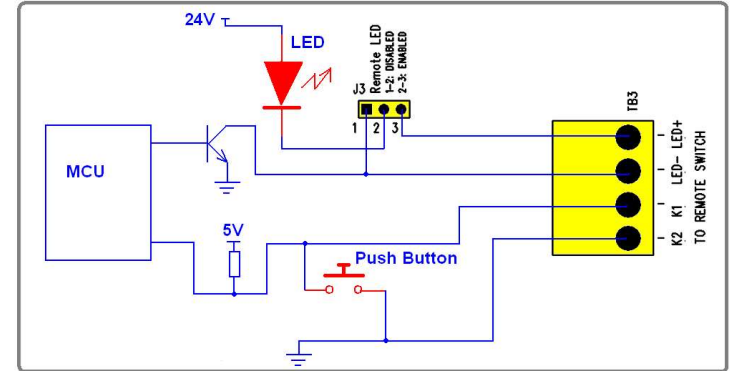
REV  
**A**

SCALE: 1:2 SHEET 3 OF 5

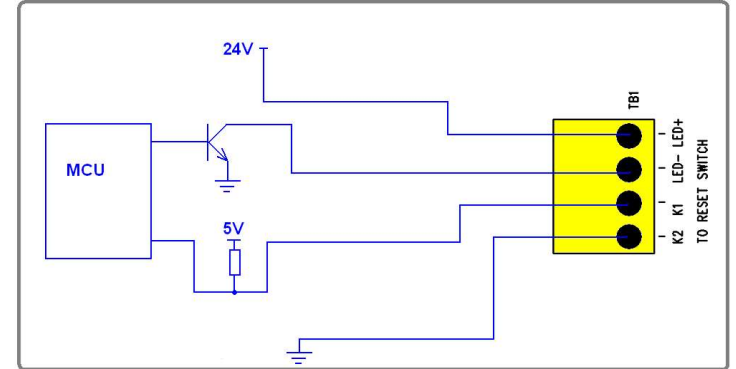
## REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	See Sheet1	-	-

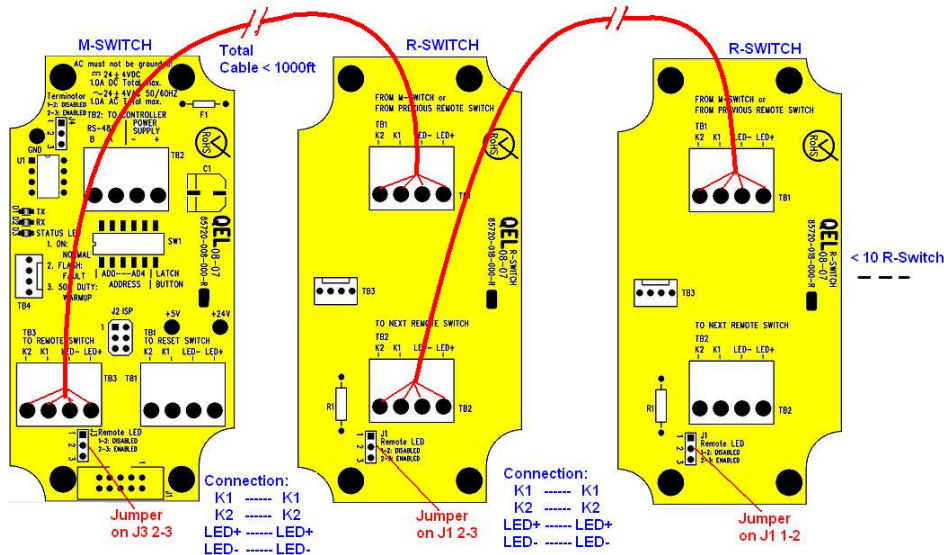
## Remote Switch Schematic



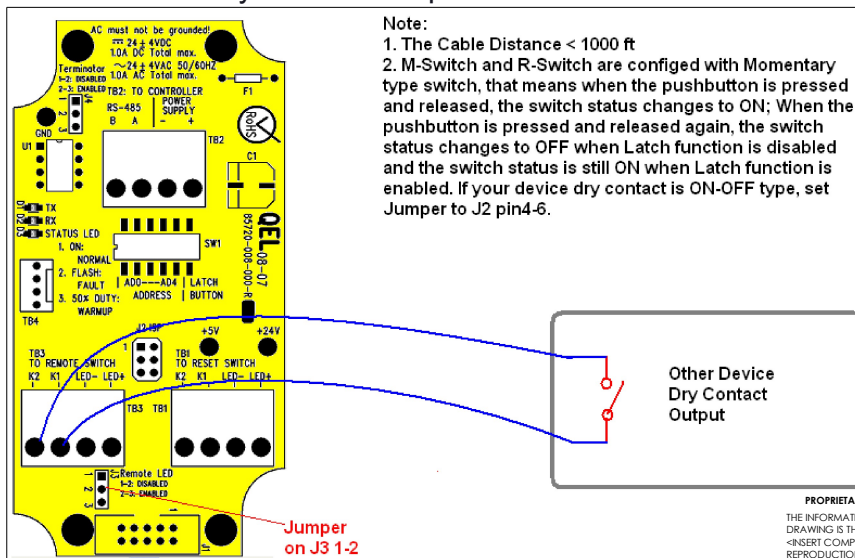
## Reset Switch Schematic



# M-Switch and R-Switch Connection

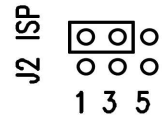


# M-Switch and Dry Contact Output Connection

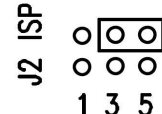


Note:  
1. The Cable Distance < 1000 ft  
2. M-Switch and R-Switch are configured with Momentary type switch, that means when the pushbutton is pressed and released, the switch status changes to ON; When the pushbutton is pressed and released again, the switch status changes to OFF when Latch function is disabled and the switch status is still ON when Latch function is enabled. If your device dry contact is ON-OFF type, set Jumper to J2 pin4-6.

Momentary Switch Input



ON-OFF Switch Input



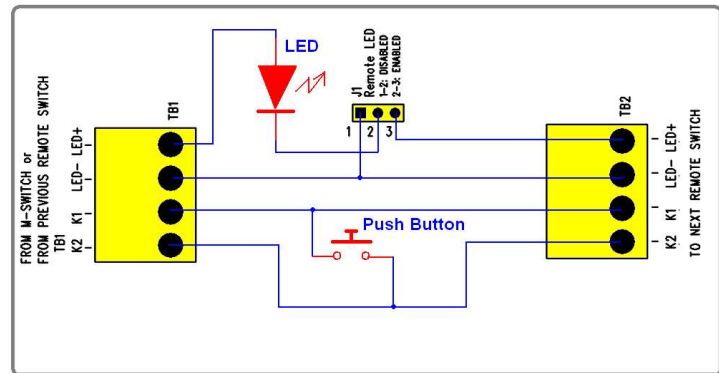
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	See Sheet1	-	-

Note:  
The left drawing only shows the connection of M-Switch Remote Switch Terminal Block. The connection of M-Switch Reset Switch Terminal Block is the same except Reset Switch does not need J3 settings.

Connection:

K1 <---> K1  
K2 <---> K2  
LED+ <---> LED+  
LED- <---> LED-

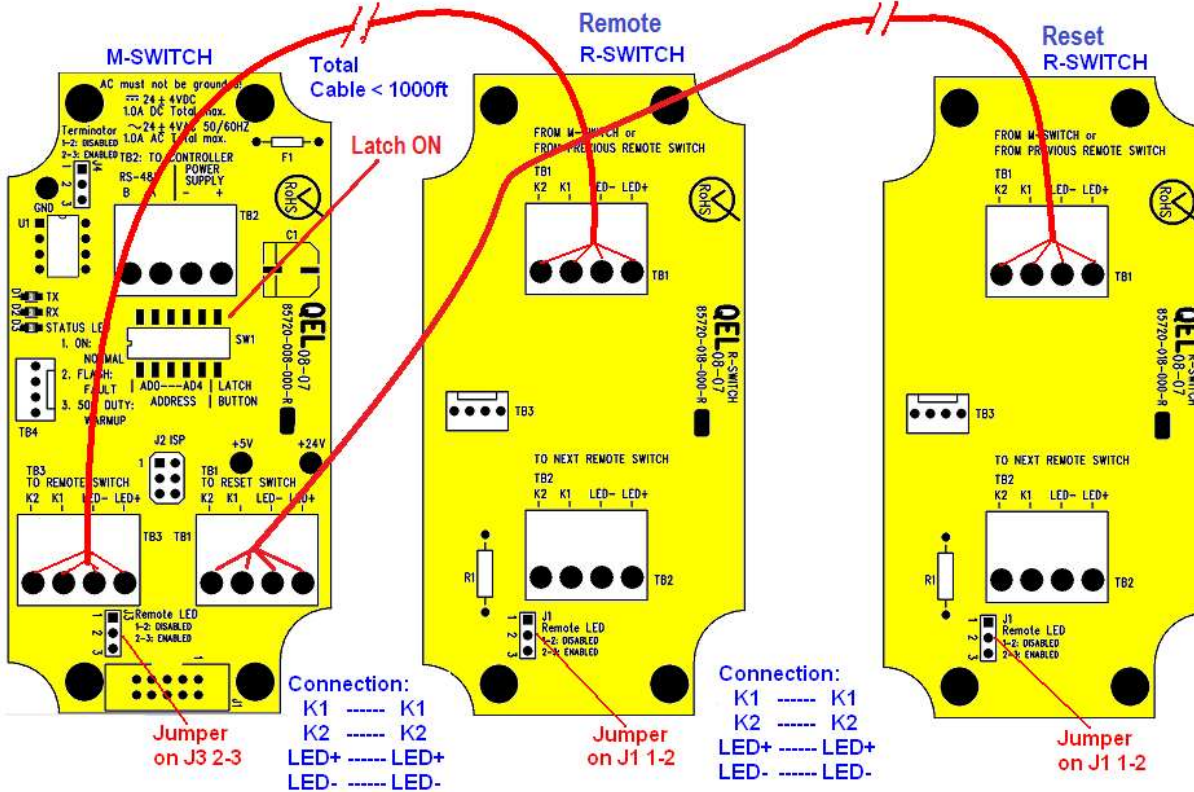
# R-Switch Schematic



UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Greystone Energy System Inc.	
DIMENSIONS ARE IN INCHES		DRAWN	XY	2024/10/07	TITLE: <b>M-SWITCH, GES INSTALLATION DRAWING</b>
TOLERANCES:		CHECKED	XY	2024/10/07	
FRACTIONAL: ±		ENG APPR.	XY	2024/10/07	
ANGULAR: MACH ± BEND ±		MFG APPR.			
TWO PLACE DECIMAL ±		Q.A.			SIZE <b>B</b>
THREE PLACE DECIMAL ±		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:					DWG. NO. <b>85750-002-005</b>
MATERIAL					REV <b>A</b>
FINISH					SCALE: 1:2
NEXT ASSY	USED ON				SHEET 4 OF 5
APPLICATION		DO NOT SCALE DRAWING			

# Installation Example for CSA B52 Mechanical Refrigeration Code

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
-	-	See Sheet1	-	-



B52 Mechanical refrigeration code requires the fan switches shall be installed inside and outside the machinery room. The switches located outside the room shall be capable of starting but not stopping the ventilation.

The left drawing is to show how one M-Switch and two R-Switch working together to satisfy the B52 code.

## Location:

1. As the Remote R-Switch and the M-Switch have the same functions, so either one can be installed inside the room, the other shall be installed outside the room
2. Install the Reset R-Switch inside the room

## Connection:

3. Connect the Remote R-Switch to M-Switch TB3
4. Connect the Reset R-Switch to M-Switch TB1

## Settings:

5. Set the M-Switch Address to a unique address in the M-Controller system [SW1]
6. Set LATCH ON in the M-Switch [SW1]
7. Set J3 in M-Switch and J1 in R-Switch according to the left drawing
8. Set the ventilation RELAY with non-latching function in M-Controller

## Testing:

The M-Switch and Remote R-Switch can only start the ventilation but not stop the ventilation. Press the inside Reset R-Switch to reset the ventilation relay.

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		UNLESS OTHERWISE SPECIFIED:		NAME		DATE		Greystone Energy System Inc.				
		DIMENSIONS ARE IN INCHES		DRAWN		XY		2024/10/07		TITLE:  M-SWICH, GES INSTALLATION DRAWING		
		TOLERANCES:		CHECKED		XY		2024/10/07				
		FRACTIONAL ±		ENG APPR.		XY		2024/10/07				
		ANGULAR: MACH ±    BEND ±		MFG APPR.								
		TWO PLACE DECIMAL    ±		Q.A.		XY		2024/10/07		SIZE <b>B</b>	DWG. NO. 85750-002-005	REV <b>A</b>
		THREE PLACE DECIMAL    ±		COMMENTS:								
		INTERPRET GEOMETRIC TOLERANCING PER:										
		MATERIAL										
		FINISH										
NEXT ASSY		USED ON										
APPLICATION		DO NOT SCALE DRAWING		SCALE: 1:2    WEIGHT:    SHEET 5 OF 5								