

**READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION**

IMPORTANT SAFETY INSTRUCTIONS

▲WARNING

To reduce the risk of death, injury or property damage from fire, electric shock, cuts, abrasions, falling parts, and other hazards:

- Service of the equipment must be performed by qualified service personnel.
- Installation and maintenance must be performed by a person familiar with the construction and operation of this product and any hazards involved. All applicable codes and ordinances must be followed.
- Read this document before installing, servicing, or maintaining this equipment. These instructions do not cover all installation, service, and maintenance situations. If your situation is not covered, or if you do not understand these instructions or additional information is required, contact *Synergy Lighting Controls*.

▲WARNING

Before installing, servicing, or maintaining this equipment, follow these general precautions.

To reduce the risk of electrocution:

- Make sure the equipment is properly grounded.
- Always de-energize any equipment before connecting to, disconnecting from, or servicing the equipment.

To reduce the risk of fire:

- Use supply conductors with a minimum installation temperature rating as specified.

To reduce the risk of personal injury from cuts, abrasions:

- Wear gloves to prevent cuts or abrasions from sharp edges when removing from carton, handling and maintaining this equipment.
- Do not install a damaged equipment.

Synergy Lighting Controls, a division of *Acuity Brands Inc.*, assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

SAVE THESE INSTRUCTIONS

Before You Start

1. Always disconnect all power.
2. This device is supplied by a Class 2 low voltage transformer. Install in accordance with appropriate codes.
3. Use only as intended.
4. Use only accessories recommended by Lithonia Control Systems.

Important Mounting and Location Notes

1. Ambient Conditions:
Maximum Ambient Temperature: 104°F/40° C
Minimum Ambient Temperature: 32°F/0°C
Relative Humidity: 10-90% Non condensing

Rough in Mounting Instructions

Install the SQRSI remote station interface in a convenient accessible area.

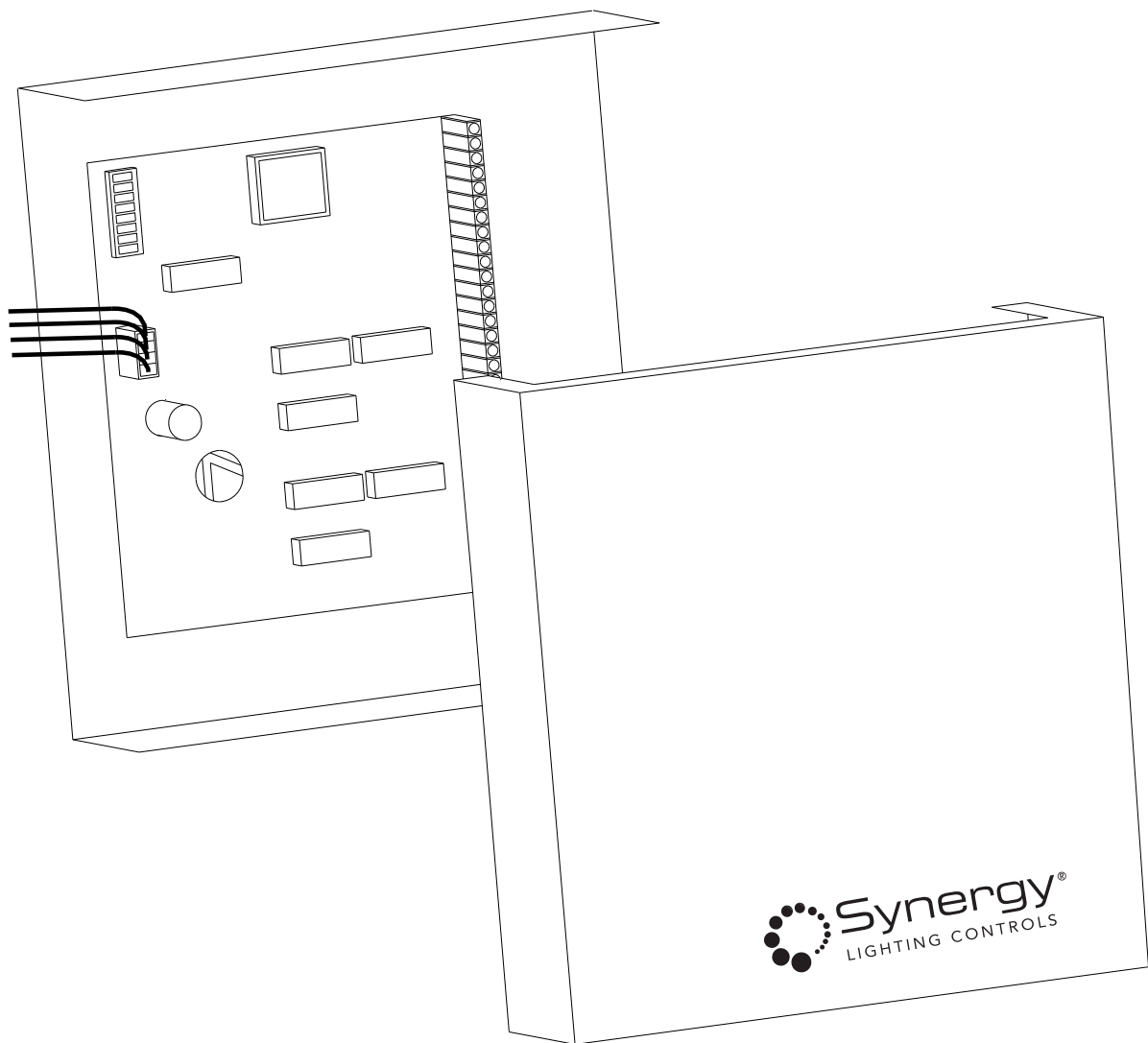


Figure 1 - Exploded View of SQRSI

Important Interface Wiring Notes

1. The interface connects to the control station network which must be wired in a daisy chain. See figure 2.
2. Remote stations or contact closures home run to this interface. Refer to figure 2 for typical one line diagram. Refer to figures 3 - 8 for typical remote wiring.
3. Refer to As Built drawings for SQRSI dip switch settings, and detailed remote wiring information. If As Built drawings were not provided refer to figures 3 - 8 for wiring, dip switch settings, and remote terminal function information.

One Line Wiring Symbols

A4 Control Station Network Cable. Class 2 low voltage; do not install in high voltage conduit or raceway. All devices connecting to network must be wired in a daisy chain (in and out); "T" taps or branches in the network are not permitted. The numerical order in which devices are connected is not important. The network wire shall be two #16 AWG wires for power plus one EIA approved twisted and shielded pair for data. Lithonia Control Systems SYA CABLE A4 (optional - contact LCS if cable is needed and not included as a separate line item on the Bill of Material) or (1) Belden 3105A with (2) #16 AWG conductors. Contact LCS if the total length of the network exceeds 2000 feet.

C# Quantity of Class 2 low voltage individual #18 AWG wires as indicated in the symbol. If multiconductor cable is desired, use Belden 83653, 83662 shielded, low capacitance, (**not twisted**) control cable or equal. A spare conductor is shown in each run below for applications with a total wire length of greater than 250 feet (80m).

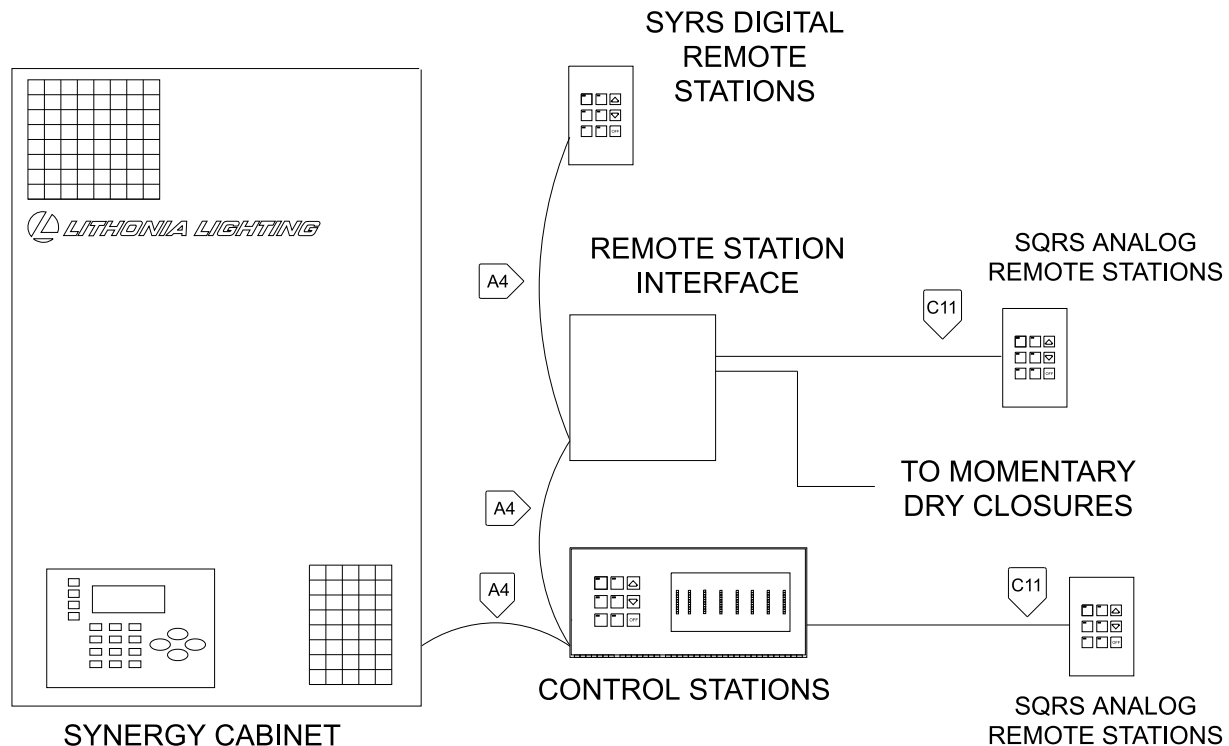


Figure 2 - Typical One Line

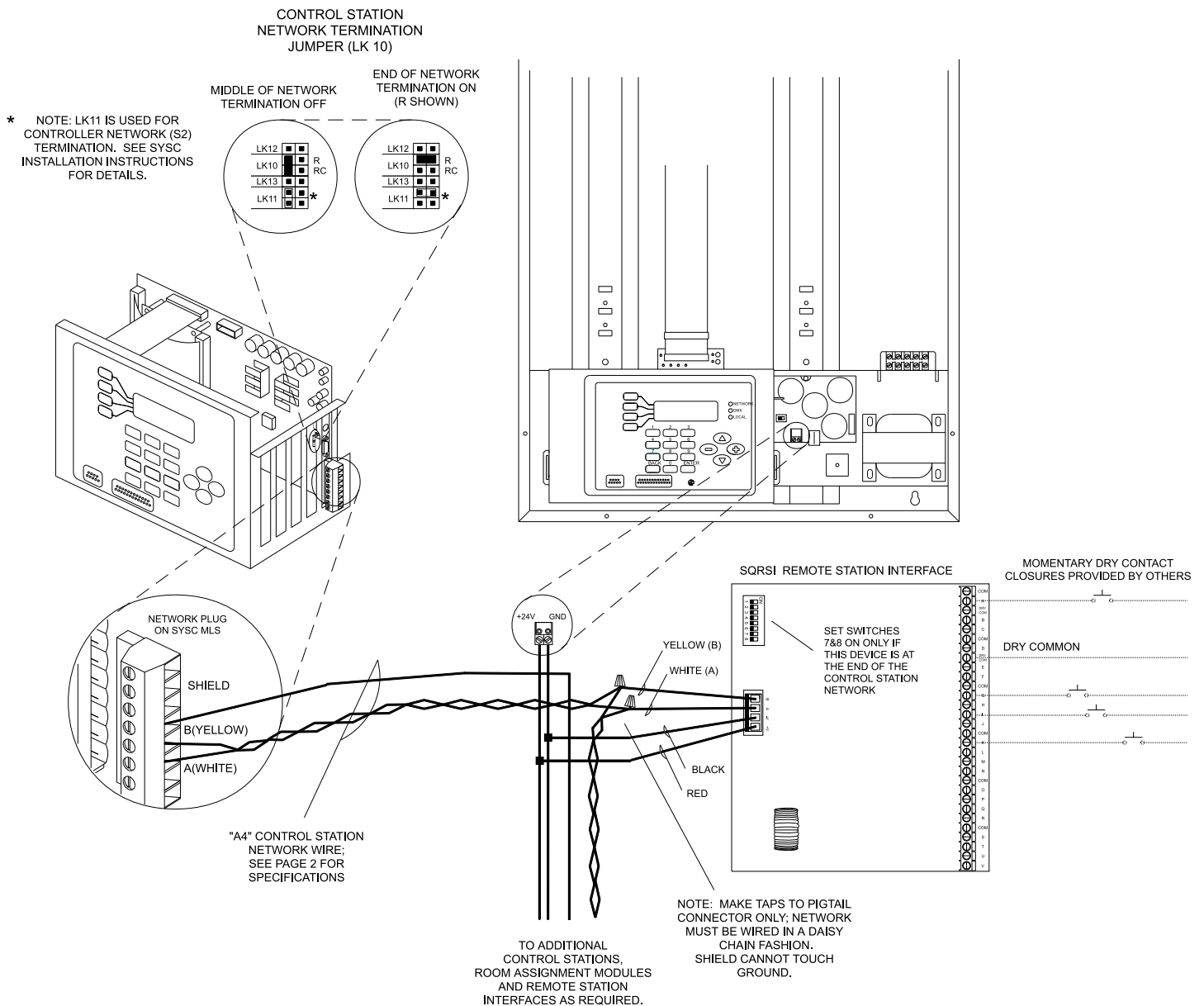


Figure 3 - Synergy Control Station Network - Typical Wiring

TO ADDITIONAL CONTROL STATIONS, ROOM ASSIGNMENT MODULES AND REMOTE STATION INTERFACE DEVICES AS REQUIRED.

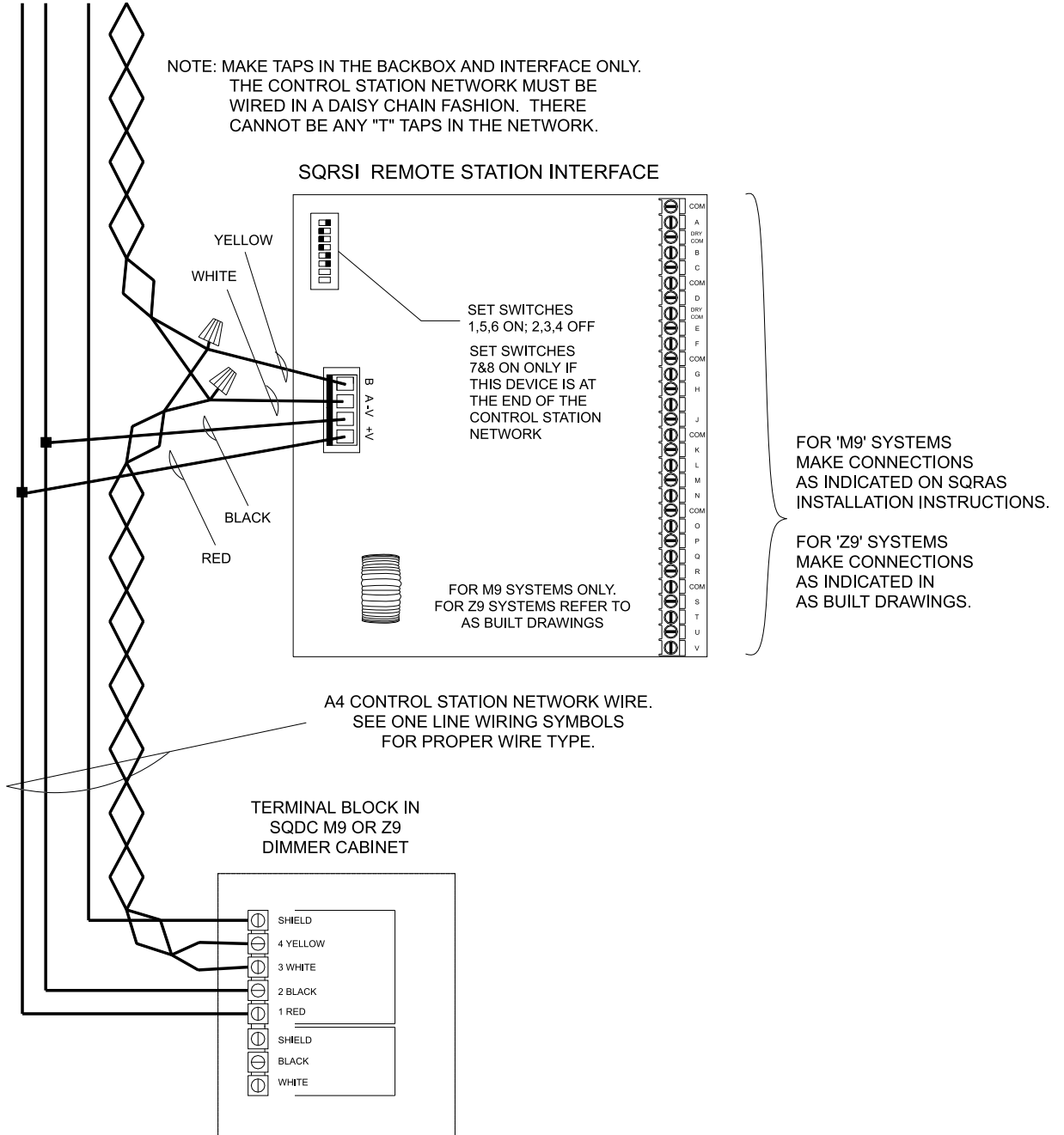


Figure 4 - Sequel Control Station Network - Typical Wiring

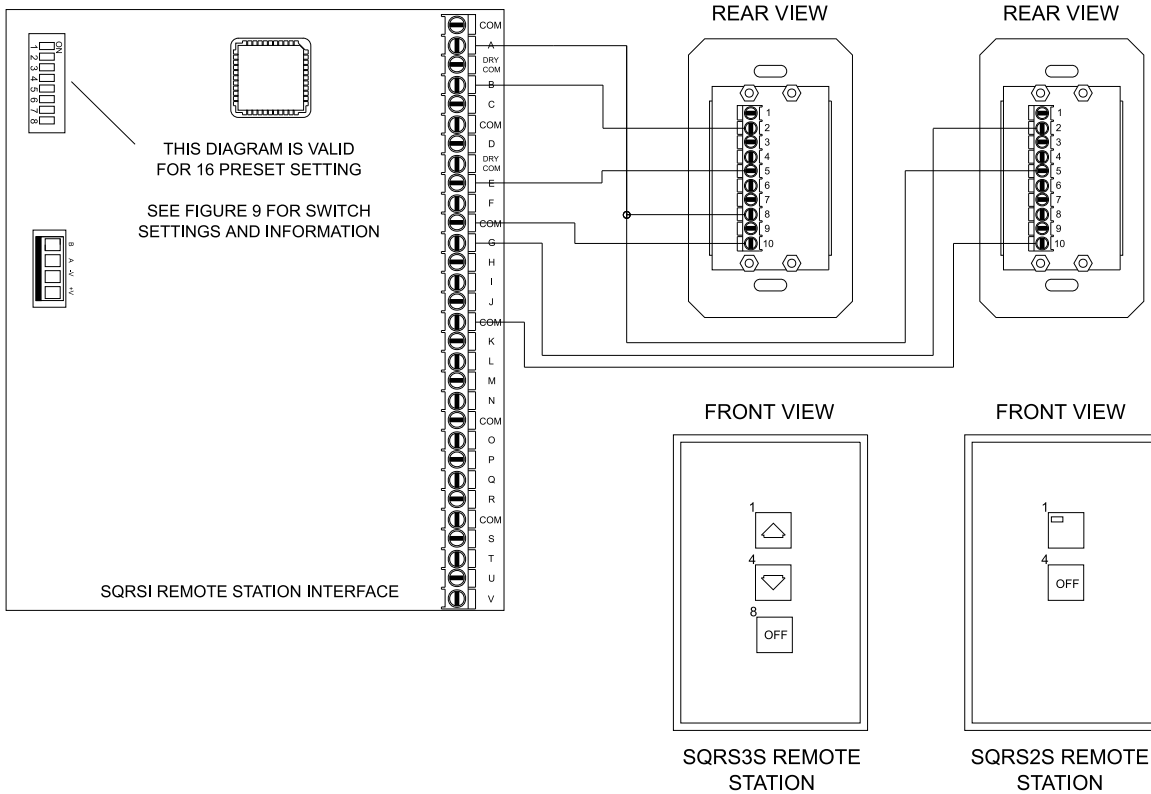


Figure 5

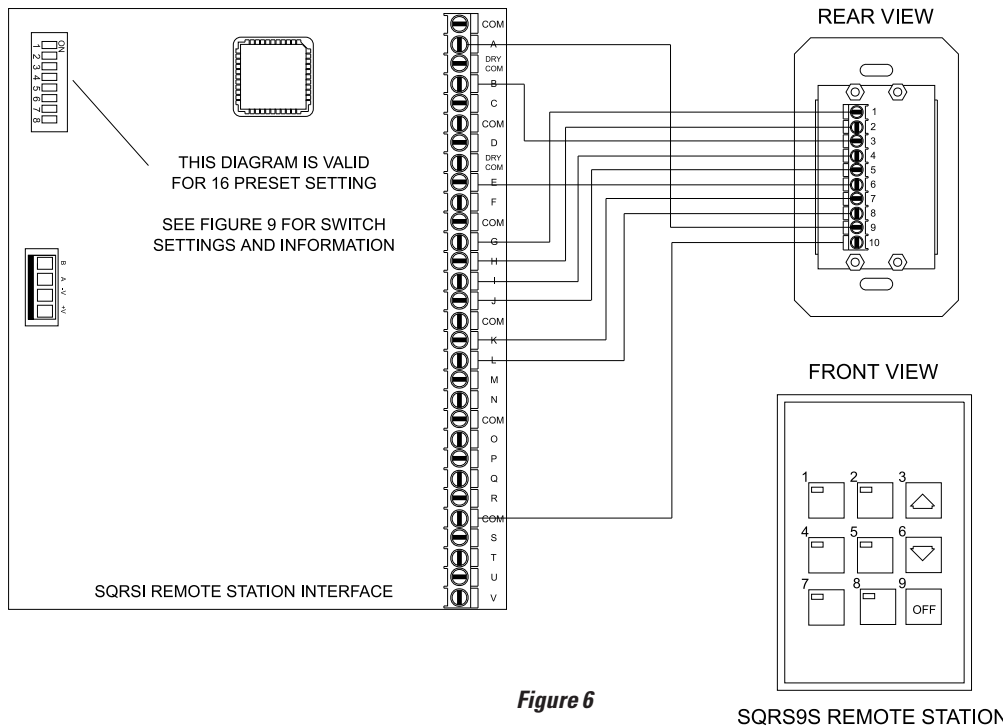


Figure 6

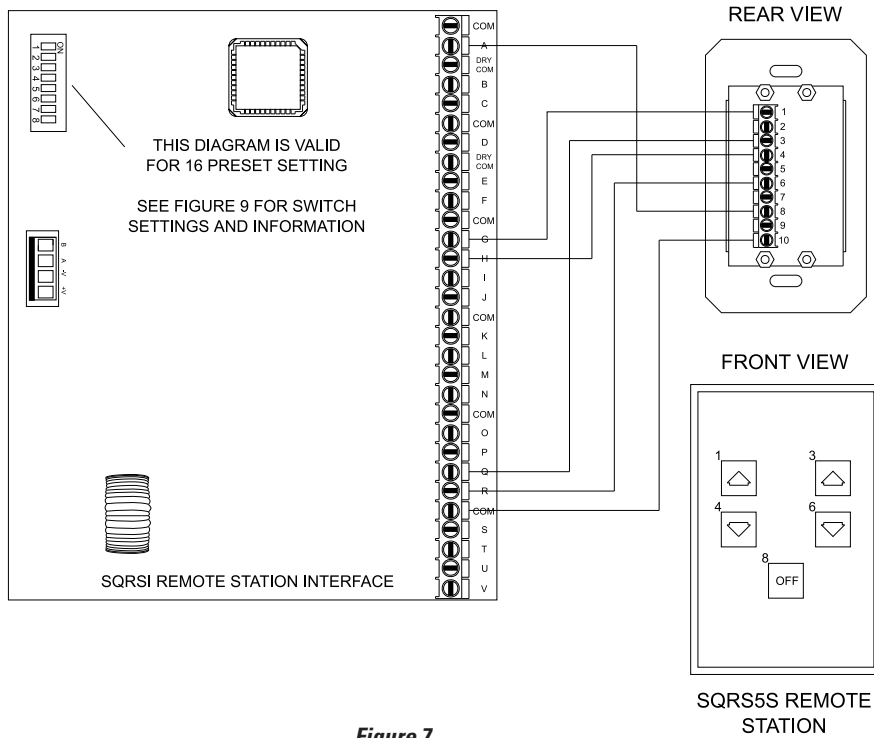


Figure 7

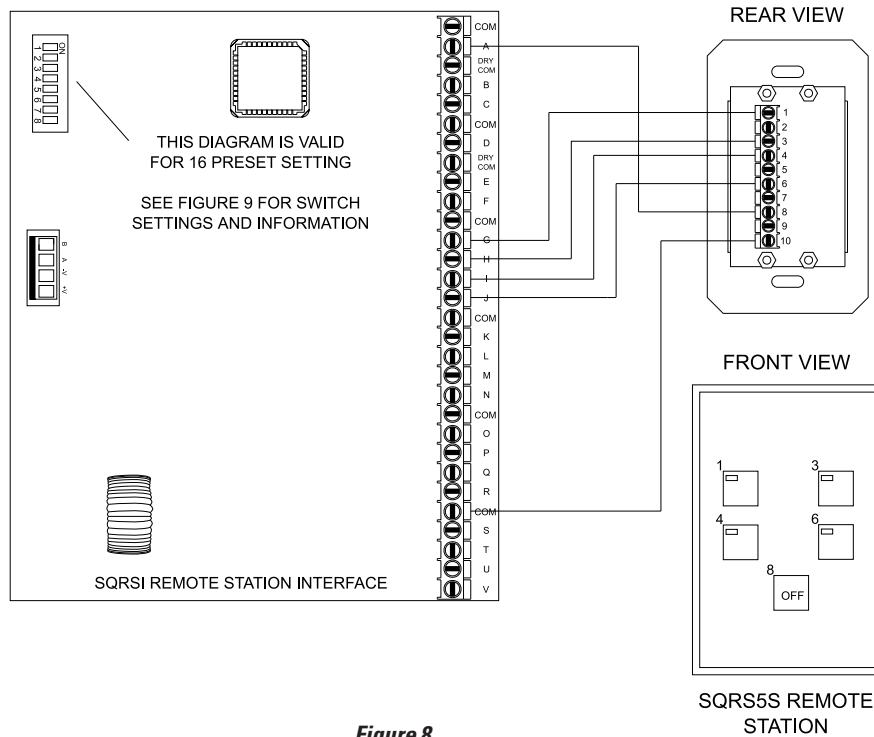


Figure 8

Important Channel Select Switch Setting Information: Sequel System

1. When used with the Sequel dimming system the position of this switch determines which channels will be controlled by this interface.
2. The SQRSI switch may not be set at a position which is the same as an SQCS or another SQRSI switch setting that is in use. For example, if you are using the setting of "0" for an SQCS you may not use the adjacent setting of "6 On" for the SQRSI. You may use "1 On, 6 On" to control channels 1-8 if SQCS setting "1" is not in use.
3. Refer to the Sequel Start Up Manual for an explanation of SQCS switch settings and function.
4. Switches 7 and 8 must be turned on if this interface is at the end of the "A4" control station network.

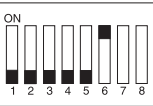

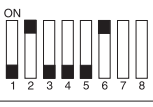
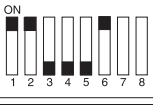


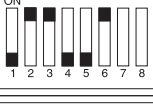

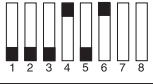
Channels to be Controlled	SQRSI Channel Select Switch Setting for M9 Systems Only	Corresponding SQCS Channel Select Switch Setting	Terminal Function Type
1-8		0	16 Preset
1-8		1	16 Preset
1-8		2	16 Preset
9-16		3	16 Preset
9-16		4	16 Preset
1-4		5	16 Preset
1-4		6	16 Preset
5-8		7	16 Preset
5-8		8	16 Preset

Figure 9 - SQRSI Switch Settings

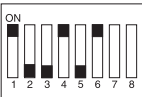
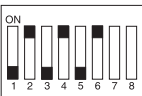
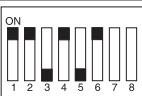
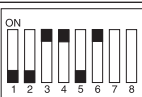
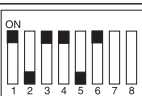
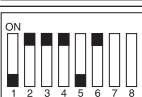
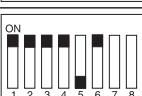
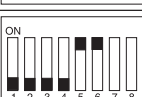


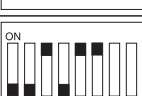
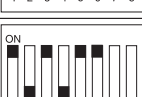

Channels to be Controlled	SQRSI Channel Select Switch Setting	Corresponding SQCS Channel Select Switch Setting	Terminal Function Type
9 - 12		9	16 Preset
9 - 12		A	16 Preset
9 - 12		B	16 Preset
13 - 16		C	16 Preset
13 - 16		D	16 Preset
1 - 16		E	16 Preset
1 - 16		F	16 Preset
1 - 8		N/A	8 Channel
9 - 16		N/A	8 Channel
1 - 4		N/A	4 Channel
5 - 8		N/A	4 Channel
9 - 12		N/A	4 Channel
13 - 16		N/A	4 Channel

Figure 9 Cont. - SQRSI Switch Settings

SQRSI Terminal Label	Remote Input Terminal Function Listing Based on Dip Switch Settings (Figure 8)		
	16 Preset	8 Channel	4 Channel
COM (ALL)	Common SQRS Stations Only	Common SQRS Stations Only	Common SQRS Stations Only
A	OFF	OFF	OFF
DRY COM (ALL)	Dry Common used with Dry Contact Closures	Dry Common used with Dry Contact Closures	Dry Common used with Dry Contact Closures
B	Master Raise	Master Raise	Master Raise
C	Select	Select	Select
D	On to Last State	On to Last State	On to Last State
E	Master Lower	Master Lower	Master Lower
F	Select	Select	Select
G	Preset 1 (All channels 100%)	Channel 1 Raise	Channel 1 Raise
H	Preset 2	Channel 1 Lower	Channel 1 Lower
I	Preset 3	Channel 2 Raise	Channel 2 Raise
J	Preset 4 (All channels 0%)	Channel 2 Lower	Channel 2 Lower
K	Preset 5	Channel 3 Raise	Channel 3 Raise
L	Preset 6	Channel 3 Lower	Channel 3 Lower
M	Preset 7	Channel 4 Raise	Channel 4 Raise
N	Preset 8	Channel 4 Lower	Channel 4 Lower
O	Preset 9 (All channels 100%)	Channel 5 Raise	Channel 1 Non-Dim On
P	Preset 10 (All channels 0%)	Channel 5 Lower	Channel 1 Non-Dim Off
Q	Preset 11	Channel 6 Raise	Channel 2 Non-Dim On
R	Preset 12	Channel 6 Lower	Channel 2 Non-Dim Off
S	Preset 13	Channel 7 Raise	Channel 3 Non-Dim On
T	Preset 14	Channel 7 Lower	Channel 3 Non-Dim Off
U	Preset 15	Channel 8 Raise	Channel 4 Non-Dim On
V	Preset 16	Channel 8 Lower	Channel 4 Non-Dim Off

Figure 10