

**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

Installation Instructions

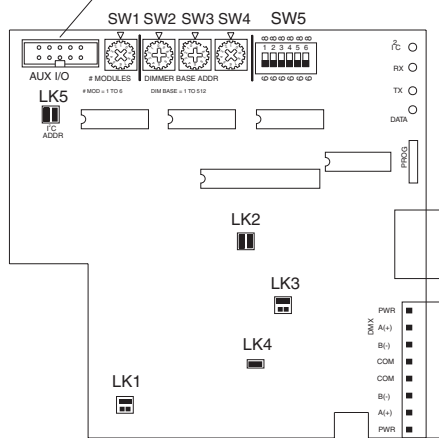
DMX OPTION



Overview

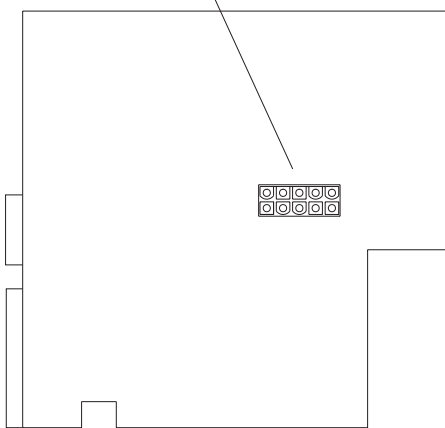
The DMX card option allows Synergy power modules to receive DMX512 commands from the DMX master. The card can address individual relays and dimmers directly, or can communicate DMX levels to the Synergy SYSC MLX or MLS controller to operate groups of outputs. DMX signals can be assigned a priority level by the Synergy controller if DMX levels are sent to the controller. If DMX levels are sent directly to the modules, the "last action" will determine the level of the outputs.

10 PIN CONNECTOR CONNECTS TO INTERFACE CARD WITH PART# CDAHA00056 RIBBON CABLE WHEN USED WITH SYSC CONTROLLER



DMX CARD FRONT VIEW

10 PIN MOLEX CONNECTOR CONNECTS DIRECTLY TO POWER SUPPLY WHEN CONTROLLER IS NOT INSTALLED



DMX CARD REAR VIEW

Important Configuration Information (See Figures 1 - 4)

1. SPECIFY DMX CARD OPERATION (LK2)
Select the jumper setting to configure DMX signal routing within the Synergy cabinet.
Note:
If this card is used without a Synergy controller, jumper block LK2 **MUST** be set to route DMX levels to output modules (both jumpers vertical).
2. SPECIFY CARD ADDRESS (LK5)
Select the address for the DMX card based on the output modules addresses to be controlled. See *Figure 1* for details. If multiple DMX cards are associated with a single Synergy controller (Master/Slave arrangement), you **must** choose a unique address for each card.
3. SELECT NUMBER OF MODULES (SW 1)
Rotate # of modules switch to configure the number of modules associated with this card.
4. SELECT MODULE OUTPUT QUANTITY (SW 5)
Using the dip switches, select the number of outputs for each module in the cabinet.
5. SELECT DMX BASE ADDRESS (SW 2,3 and 4)
Using the three rotary switches, select the base address (first DMX channel) this card will respond to. The card responds to 48 consecutive DMX channels starting with the base address. When routing DMX levels to the Synergy controller, all 48 DMX channel levels will be sent to the controller. When routing DMX levels to the output modules, the actual number of DMX channels sent is determined by the setting of SW5.
6. CONFIGURE THE DMX TERMINAL BLOCK (LK1,LK3 & LK4)

LK1 - This jumper block determines whether 0,12 or 24 VDC will be available at the "PWR" terminals.

LK3 - This jumper block determines DMX network termination, and is based on it's location in the network (middle or end).

LK4 - This jumper block grounds the shield in the DMX communications cable. Use if network noise is present.

Installation Instructions

DMX OPTION

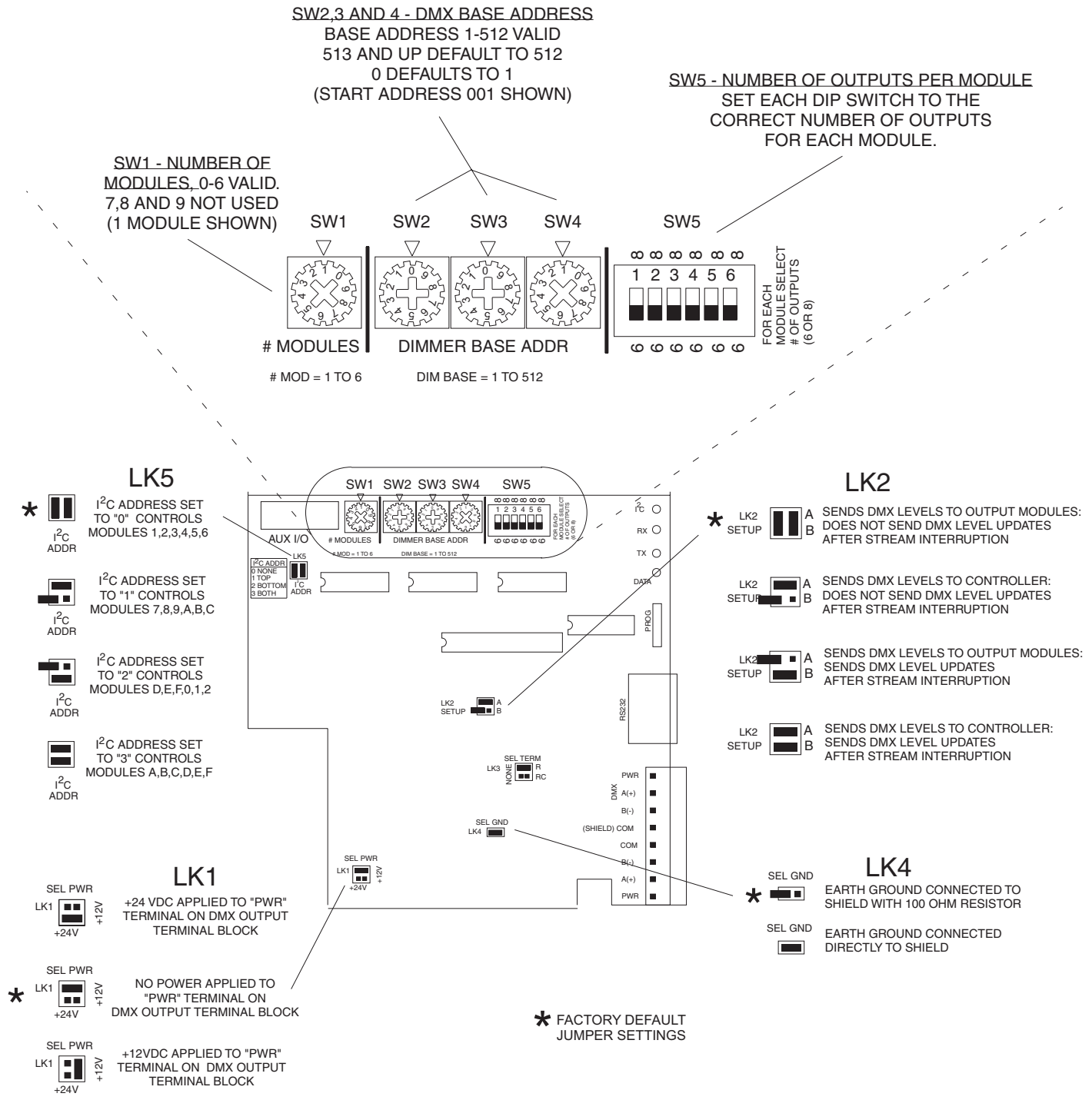


Figure 1 - DMX Card Jumper Settings

Installation Instructions

DMX OPTION

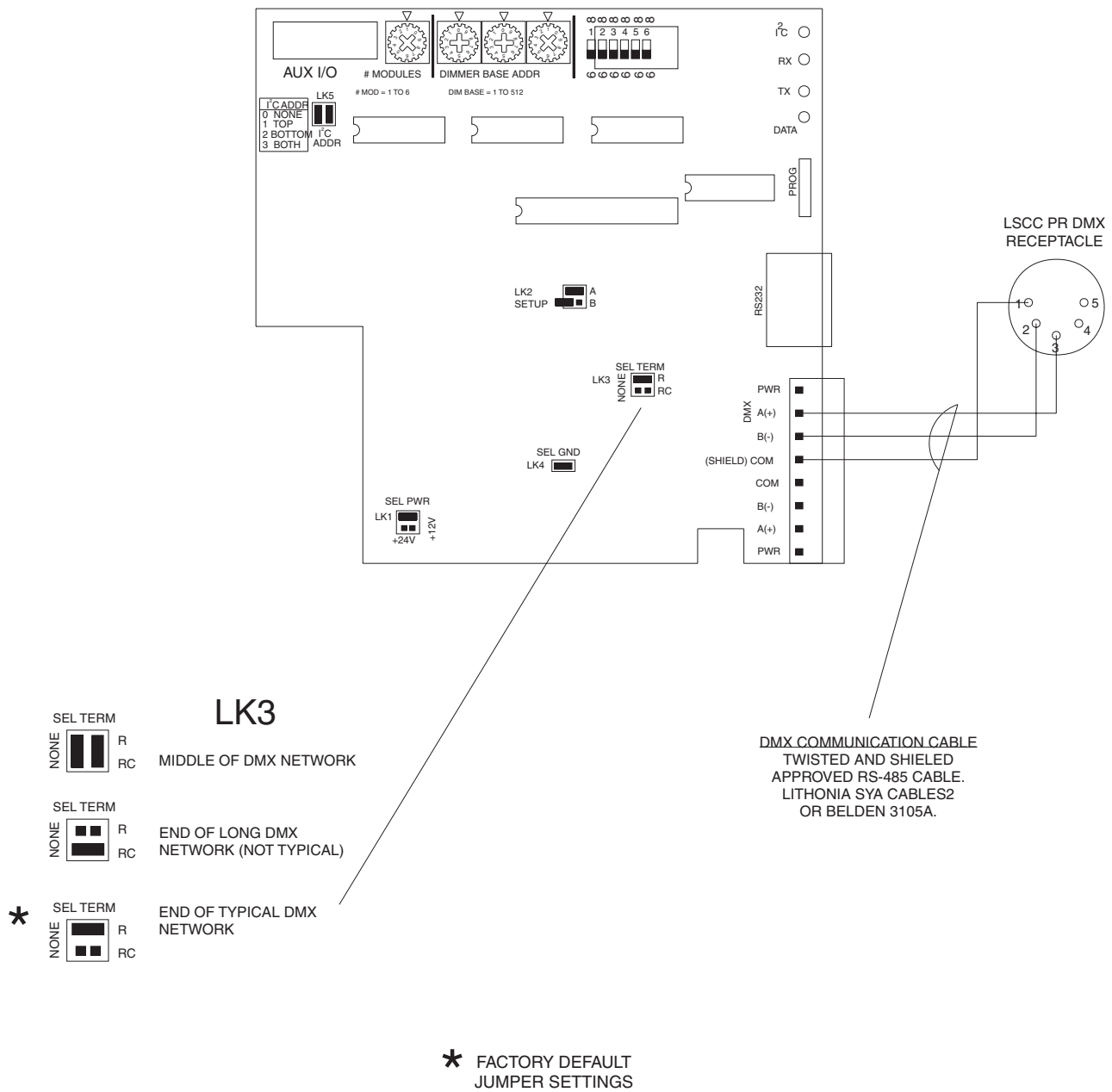


Figure 2 - DMX Network Termination - One Cabinet, One Console Receptacle

Installation Instructions

DMX OPTION

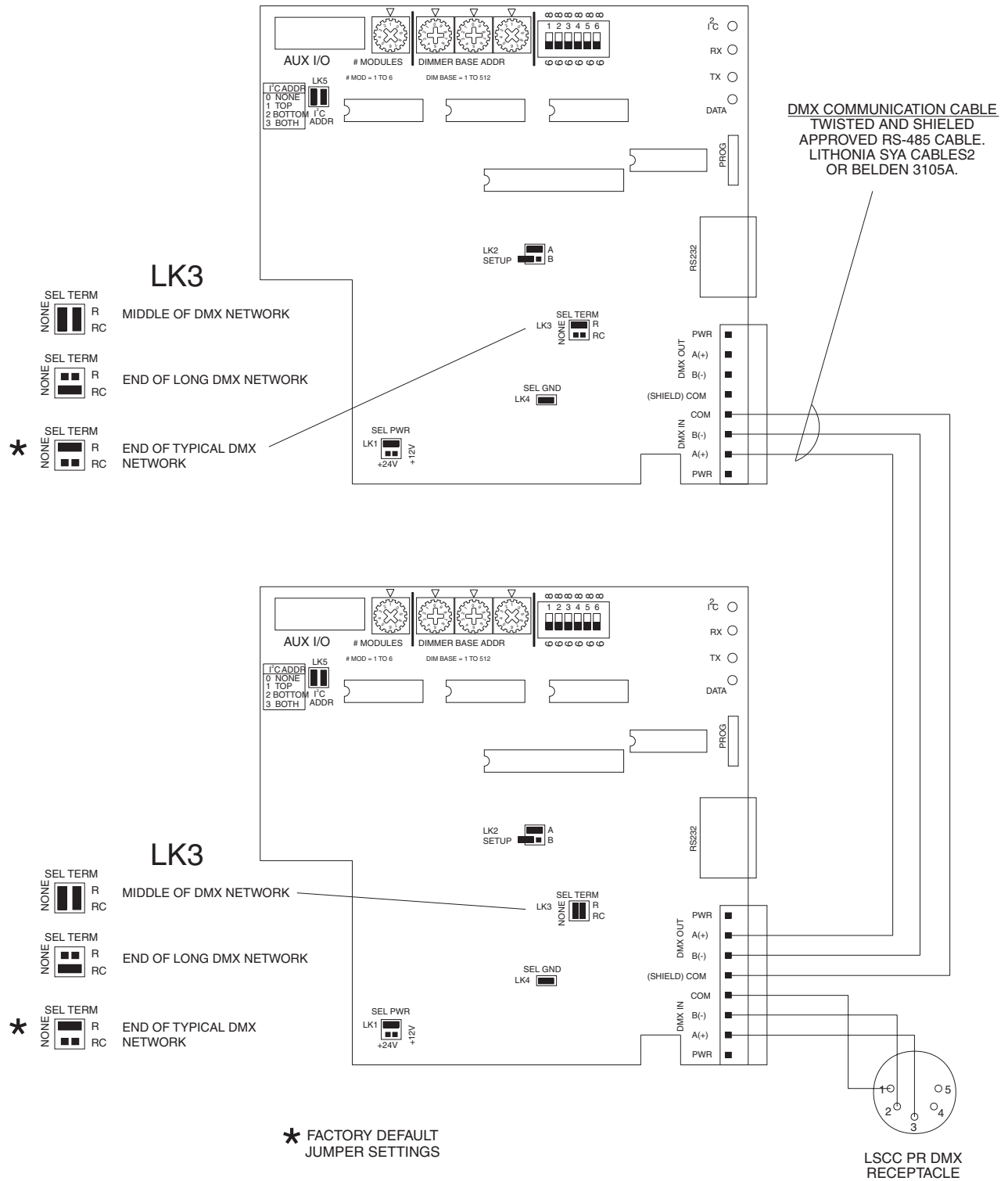


Figure 3 - DMX Network Termination - 2 Cabinets, 1 Console Receptacle

Installation Instructions

DMX OPTION

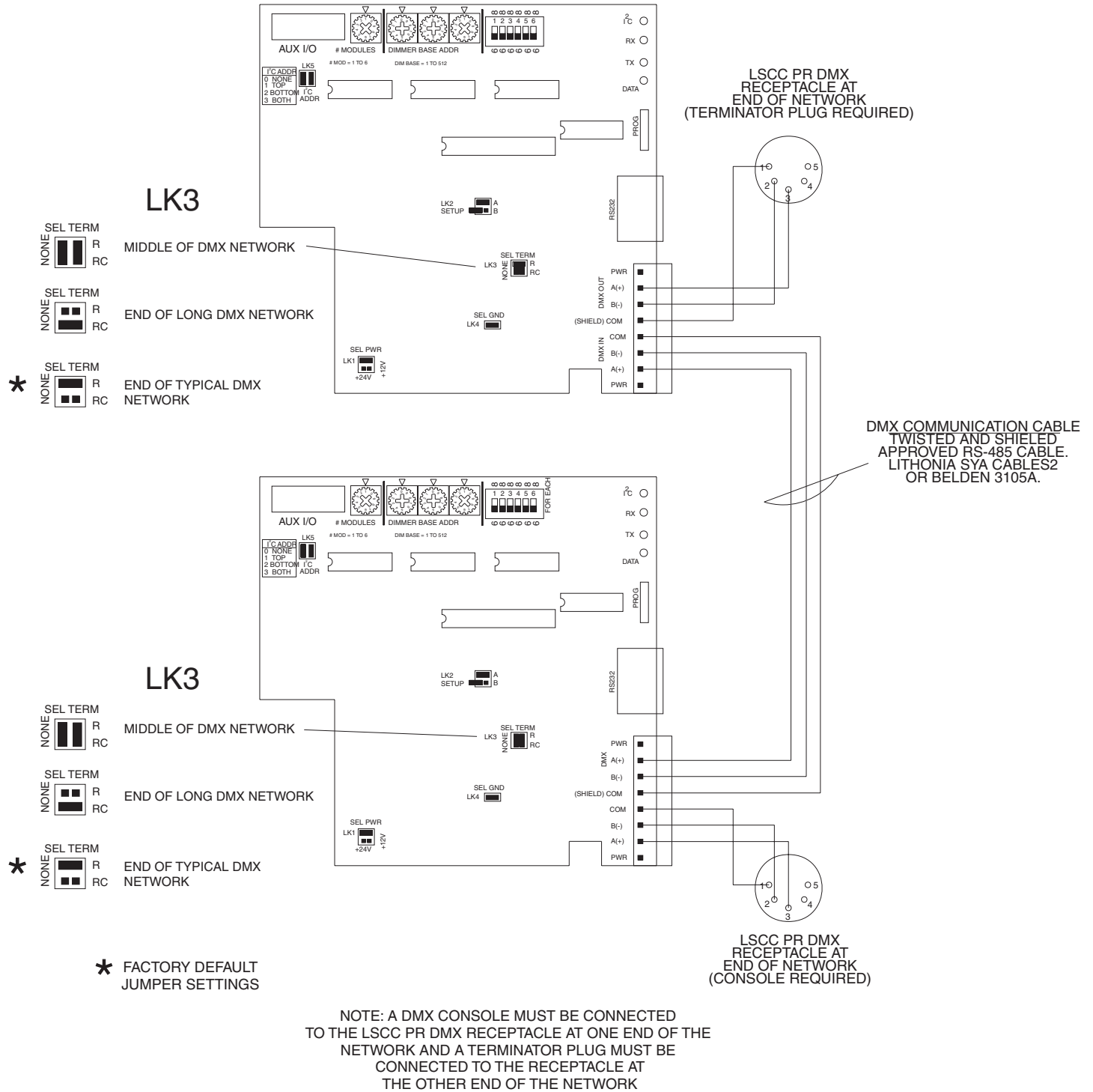


Figure 4 - DMX Network Termination - 2 Cabinets, 2 Console Receptacles