Serial and Network Control for Motorized Projection Screens and Projector Lifts

Please Note: Draper motorized screens, AeroLifts, the Micro Projector Lift and the LCD Lift come with one 110V-120V AC 3-position wall switch (for ScissorLift, Revelation, Phantom and Orbiter, see their respective submittals). For Serial or IP control, select from below:

- Control a screen or lift with two-way serial communication using RS232. For this you need an MC1.
  - How Many MC1s? __________ (Up to four MC1s can be connected via the MC1 1-to-4 Splitter. How many 1-to-4 Splitters? _____)
  - Factory install MC1 inside screen case? ☐ Yes ☐ No

There are several additional control options to choose from:

- Dry contact 3-button wall switch
  - How many? __________

- Low Voltage LED wall switch, power supply and splitter*
  - How many? __________

- 3-position key control switch
  - How many? __________

- Power supply (on-off) key switch?
  - How many? __________

- IR remote control eye and one transmitter*
  - How many extra transmitters? __________

- RF remote control receiver, one transmitter, power supply and splitter*
  - How many extra transmitters? __________

*Please note: The MC1 has one data cable input jack. If using more than one IR eye, LED wall switch or RF receiver, a splitter is required. If using more than one LED wall switch or RF receiver, an additional power supply may also be required (power supply powers up to three total receivers or LED switches).

- Add data cable splitter (1 per 2 additional inputs)
  - How many? __________

- Add power supply
  - How many? __________

- Control a screen or lift with Network Communication (Ethernet). For this you need an MC1 and an LS100.
  - How Many MC1s? __________ (Up to four MC1s can be connected via the MC1 1-to-4 Splitter. How many 1-to-4 Splitters? _____)
  - How Many LS100s (Each LS100 can handle one MC1)? * __________
  - Factory install MC1 inside screen case? ☐ Yes ☐ No

*Please note: The LS100 connects to the MC1 through the serial pins. To connect an LS100 to an MC1, one RS232 (serial) adapter and one MJA4 modular jack adapter are required.

There are several additional control options to choose from:

- Add MJ4 Modular Cable Adapter
  - How many? __________

- Add RS32 (Serial) Adapter
  - How many? __________

- Dry contact 3-button wall switch
  - How many? __________

- Low Voltage LED wall switch, power supply and splitter*
  - How many? __________

- 3-position key control switch
  - How many? __________

- Power supply (on-off) key switch
  - How many? __________

- IR remote control eye and one transmitter*
  - How many extra transmitters? __________

- RF remote control receiver and one transmitter*
  - How many extra transmitters? __________

*Please note: The MC1 has one data cable input jack. If using an RF receiver, IR eye or LED wall switch, a splitter is required. If using more than one LED wall switch or RF receiver, an additional power supply may also be required (power supply powers up to three total receivers or LED switches).

- Add data cable splitter (1 per 2 additional inputs)
  - How many? __________

- Add power supply
  - How many? __________

1 MC1 can be built into the following products:
Access/Series E: Factory installed MC1 increases case length by 2½"
Access/Series V: Factory installed MC1 increases case length by 1½"
Signature/Series E: Does not increase case length
Signature/Series V: Does not increase case length
Silhouette/Series E: Factory installed MC1 increases case length by 7½"
Silhouette/Series V: Factory installed MC1 increases case length by 7½"
Ultimate Access/Series E: Does not increase case length
Ultimate Access/Series V: Does not increase case length

PROJECT: ____________________________
SCREEN MODEL: ______________________
ARCHITECT: ________________________
CONTRACTOR: ______________________
SUPPLIER: _________________________
DATE: _______________ REVISED: ___________

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Wiring Diagrams*

Serial (RS232) Control using the MC1

- White-Common
- Red-to Screen (directional)
- Brown-to Screen (directional)
- Black-Hot to 110-120V AC
- Green/Yellow-Ground

Location of key operated on-off switch if furnished

Network (IP) Control using the MC1

- White-Common
- Red-to Screen (directional)
- Brown-to Screen (directional)
- Black-Hot to 110-120V AC
- Green/Yellow-Ground

- Yellow = Rx (Receive data from control system)
- Green = Tx (Transmit data to control system)
- Black = Gnd (Signal Ground)
- Red = Unused

*Wiring diagrams also ship with individual controls