AcuityControls.

Fresco™

OVERVIEW

Easyl™ is a DMX512 controller featuring an LCD touchscreen. Easyl's powerfully simple interface enables intuitive control of an entire universe (512 channels) of color changing luminaires. Preprogrammed shows with static and color changing effects simplify initial setup and provide a great starting point for customization. Easyl™ provides design, edit, store and recall functions for a maximum of 12 shows and features quick adjust intensity and speed sliders. Easyl™ controls LED luminaires that are DMX512-A compliant , including those with RDM functionality.

Easyl™ Solo   Is a standalone entry-level controller enabling show creation and playback directly at the LCD touchscreen.

Easyl™ Touch   features an astronomic time clock for automating shows and expands the controller's features by accepting inputs from remote button stations, and button station contact closure inputs.

Easyl™ Pro   is further enhanced by using Easyl Studio™ computer software to create multi-zone shows, and Easyl Pro features a 20 hour DMX512 capture from a theatrical console.

FEATURES

- Modern aesthetic that installs in a single gang box
- Full color LCD touchscreen
- User defined programs and naming
- Customizable settings for screen brightness, access control passcodes, and screensaver image
- Master intensity and playback speed adjustment.
- Power failure memory
- Integrated help screens

EZ Solo
EZ Touch
EZ Pro
DMX 512 Show Controller

Warranty

Two-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

ORDERING INFORMATION

EZ					**Example: EZSOLO MVOLT BK**
Series		**Supply Voltage**		**Finish**	
EZSOLO	Entry level, stand alone DMX controller	MVOLT	120-277 VAC, 50/60 Hz	WH	White
EZTOUCH	Mid level, functions with EZ RB button stations, features timeclock	347	347VAC	BK	Black
EZPRO	Pro Level, functions with EZ RB and EZ RB PRO RTS stations, features timeclock and configuration software				

Easyl™ Power Supply

Each Easyl™ controller is provided with a 24VDC power supply (FCS PS10 or EZPS 347). The power supply is remotely installed on a standard electrical enclosure. When ordering an Easyl™, the voltage selected determines which power supply is provided with the controller.

SPECIFICATIONS

FUNCTIONAL

Easyl™ Controller (Easyl™ Solo | Touch | Pro)
- DMX Controller
- 3.5" Color LCD touchscreen
- Resistive touchscreen technology works well with gloves and prosthetics
- Internally stores 12 shows
- 64,000 available colors on LCD
- Adjustable backlight control
- Adjustable timeout period
- Screen lockout passcode
- Programming lockout passcode
- Colors: Black, White
- Supports up to 3 remote stations (Touch & Pro only)
- Show naming on screen

ELECTRICAL
- Input Voltage: 24VDC (Class 2)
- Input Power: 1.0W nominal
- Current: 40mA max

ENVIRONMENTAL
- Operating Temp: 14 to 105F (-10 to 40C)
- Storage Temp: -14 to 160F (-26 to 71C)
- Relative Humidity: 90% non-condensing

MECHANICAL
- Mounts to single gang backbox

DIMENSIONS
- All dimensions are inches (millimeters)
- Size: 5.06" H X 3.5" W X 0.69" D
- (128.5 x 88.9 x 17.5)
- Weight: 6 oz (0.17Kg)

OTHER
- Compatible with DMX512-A ANSI E1.11-2008
- Compatible with DMX512 RDM ANSI E1.20-2006
- DMX Channels: 512
- Standalone Memory: 20 hours of shows (Pro only)
- Made in the USA
- 2 Year Limited Warranty

Easyl™ Power Supply
- Class 2 power supply
- Installs on standard electrical enclosures

ELECTRICAL
- Input - FCS PS10: 120-277VAC
- Input - EZPS 347: 347VAC
- Power Draw: 2.0W nominal
- Output: 24VDC Class 2

ENVIRONMENTAL
- Operating Temp: 32 to 105°F (0 to 40°C)
- Storage Temp: -14 to 160°F (-26 to 71°C)
- Relative Humidity: 90% non-condensing

MECHANICAL
- Mounts in a 1/2" knockout in a standard enclosure, remote from the Easyl station.

DIMENSIONS
- All dimensions are inches (millimeters)
- Size: 3.5" H X 2.56" W X 1.81" D (76.2 x 57.5 x 47.7)
- Weight: 6 oz (0.17Kg)

STANDARDS (FCS PS10/EZPS 347)
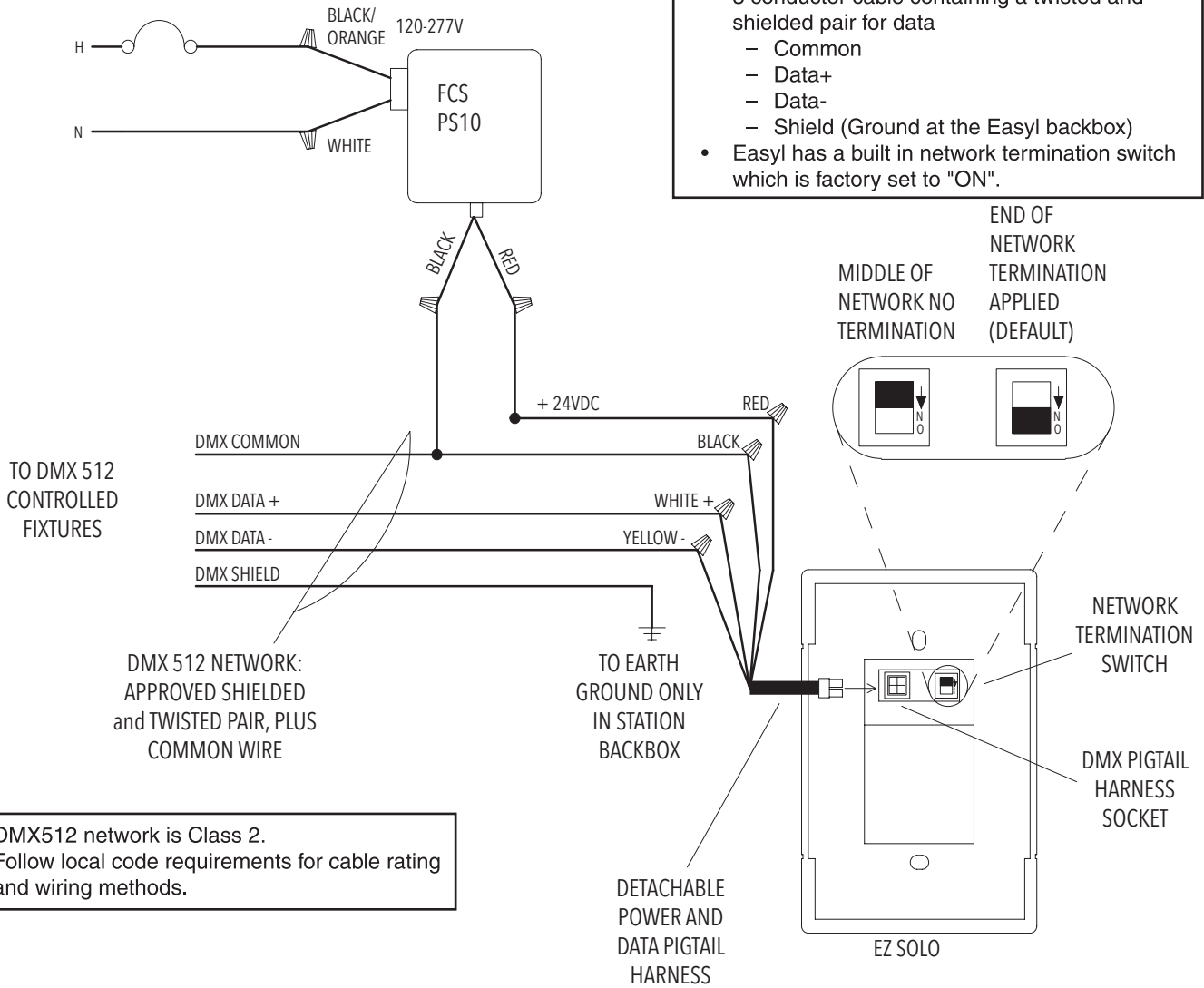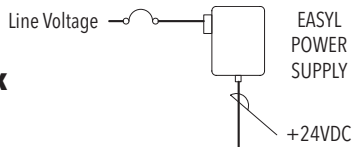- UL/CUL
- Plenum Rated

Easyl™ Solo MVOLT

The DMX 512 Daisy Chained Network Requires:
- Network termination at the first and last device.
- 3 conductor cable containing a twisted and shielded pair for data
  - Common
  - Data+
  - Data-
  - Shield (Ground at the Easyl backbox)
- Easyl has a built in network termination switch which is factory set to "ON".

H

BLACK/ORANGE 120-277V

N

WHITE

FCS PS10

BLACK   RED

MIDDLE OF NETWORK NO TERMINATION

END OF NETWORK TERMINATION APPLIED (DEFAULT)

+ 24VDC   RED

DMX COMMON

BLACK

TO DMX 512 CONTROLLED FIXTURES

DMX DATA +   WHITE +

DMX DATA -   YELLOW -

DMX SHIELD

DMX 512 NETWORK: APPROVED SHIELDED and TWISTED PAIR, PLUS COMMON WIRE

TO EARTH GROUND ONLY IN STATION BACKBOX

NETWORK TERMINATION SWITCH

DMX PIGTAIL HARNESS SOCKET

DMX512 network is Class 2.
Follow local code requirements for cable rating and wiring methods.

DETACHABLE POWER AND DATA PIGTAIL HARNESS

EZ SOLO

Easyl™ Solo Typical Network

Line Voltage

EASYL POWER SUPPLY

+24VDC

NOTES:
1 If a DMX device contains a termination switch it should be "OFF", unless it is at either end of the DMX network.

2 If a DMX device is at either end of the DMX network and does not have a termination switch, then install a 120 ohm 2W resistor across data + and -, or add a DMX terminator to the end device.

EASYL DMX CONTROLLER

NO TERMINATION ON MIDDLE FIXTURES

DMX LUMINAIRE   DMX LUMINAIRE   DMX LUMINAIRE

APPLY TERMINATION HERE

APPLY TERMINATION HERE

DMX 512 NETWORK

Easyl Touch | Pro MVOLT
Without Auxillary Button Stations or Easyl RTS

BLACK/ORANGE
120-277V

H

N

WHITE

FCS PS10

BLACK   RED

+24VDC

COMMON

BLACK

CAP OFF
WHITE AND
YELLOW WIRES

RED

WHITE

YELLOW

NETWORK
TERMINATION SWITCH

NETWORK SWITCH

DETACHABLE
POWER AND DATA
PIGTAIL HARNESS

EZ TOUCH/
EZ PRO
(BACK VIEW)

YELLOW/
BLACK STRIPE

SNAP ON FERRITE CORE FILTER
(2 PROVIDED) ON "DMX DATA +"
AND "DMX DATA -"

TO EARTH
GROUND ONLY
IN STATION

BLACK

BLACK/WHITE STRIPE

DMX 512 NETWORK:
APPROVED SHIELDED and TWISTED PAIR,
PLUS COMMON WIRE

DMX COMMON

DMX DATA +

DMX DATA -

DMX SHIELD

The DMX 512 Daisy Chained network requires:
- Network termination at the first and last device.
- 3 conductor cable containing a twisted and shielded pair for data
  - Common
  - Data+
  - Data-
  - Shield (Ground at the Easyl backbox)
- Easyl has a built in network termination switch which is factory set to "ON".
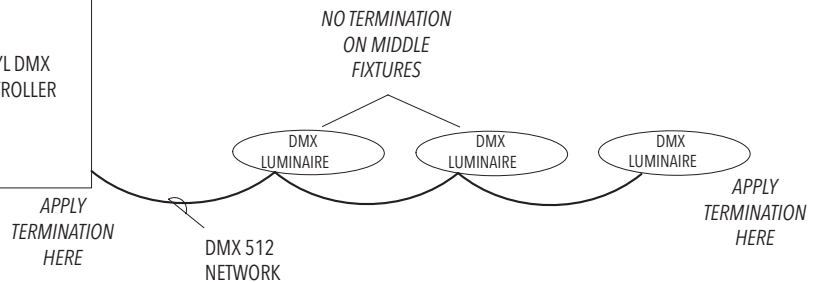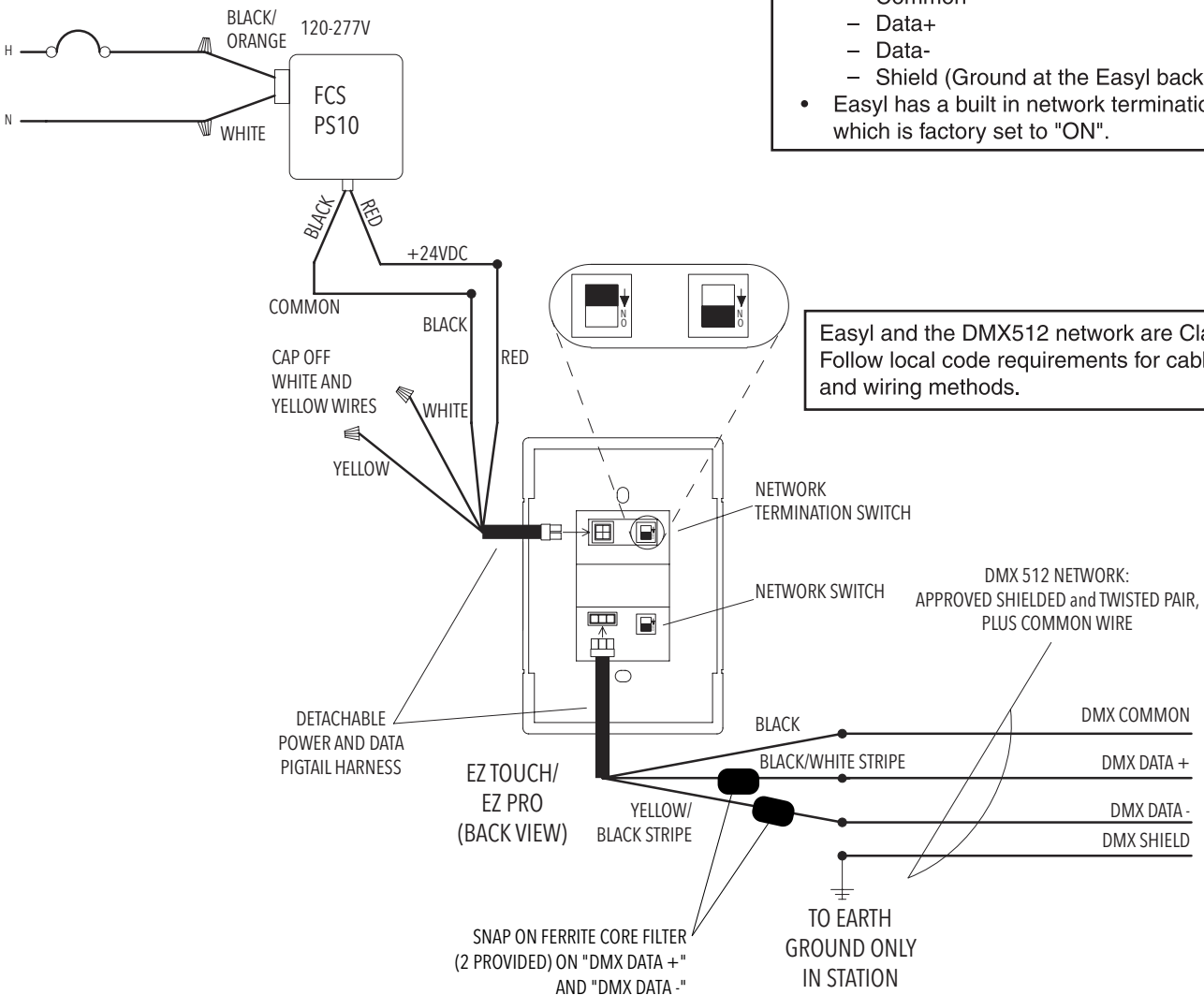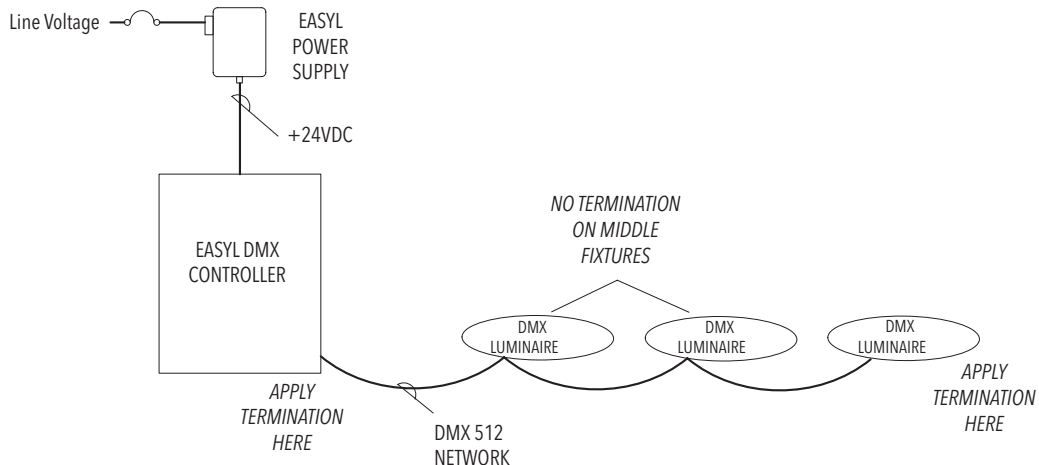
Easyl and the DMX512 network are Class 2. Follow local code requirements for cable rating and wiring methods.

Easyl Touch/Pro Typical Network

Line Voltage

EASYL
POWER
SUPPLY

+24VDC

EASYL DMX
CONTROLLER

NO TERMINATION
ON MIDDLE
FIXTURES

DMX
LUMINAIRE

DMX
LUMINAIRE

DMX
LUMINAIRE

APPLY
TERMINATION
HERE

APPLY
TERMINATION
HERE

DMX 512
NETWORK

Easyl Touch | Pro MVOLT

With Button Stations

BLACK/ORANGE 120-277V

H

N White

FCS
PS10

BLACK   RED

The DMX 512 Daisy Chained network requires:
- Network termination at the first and last device.
- 3 conductor cable containing a twisted and shielded pair for data
  - Common
  - Data+
  - Data-
  - Shield (Ground at the Easyl backbox)
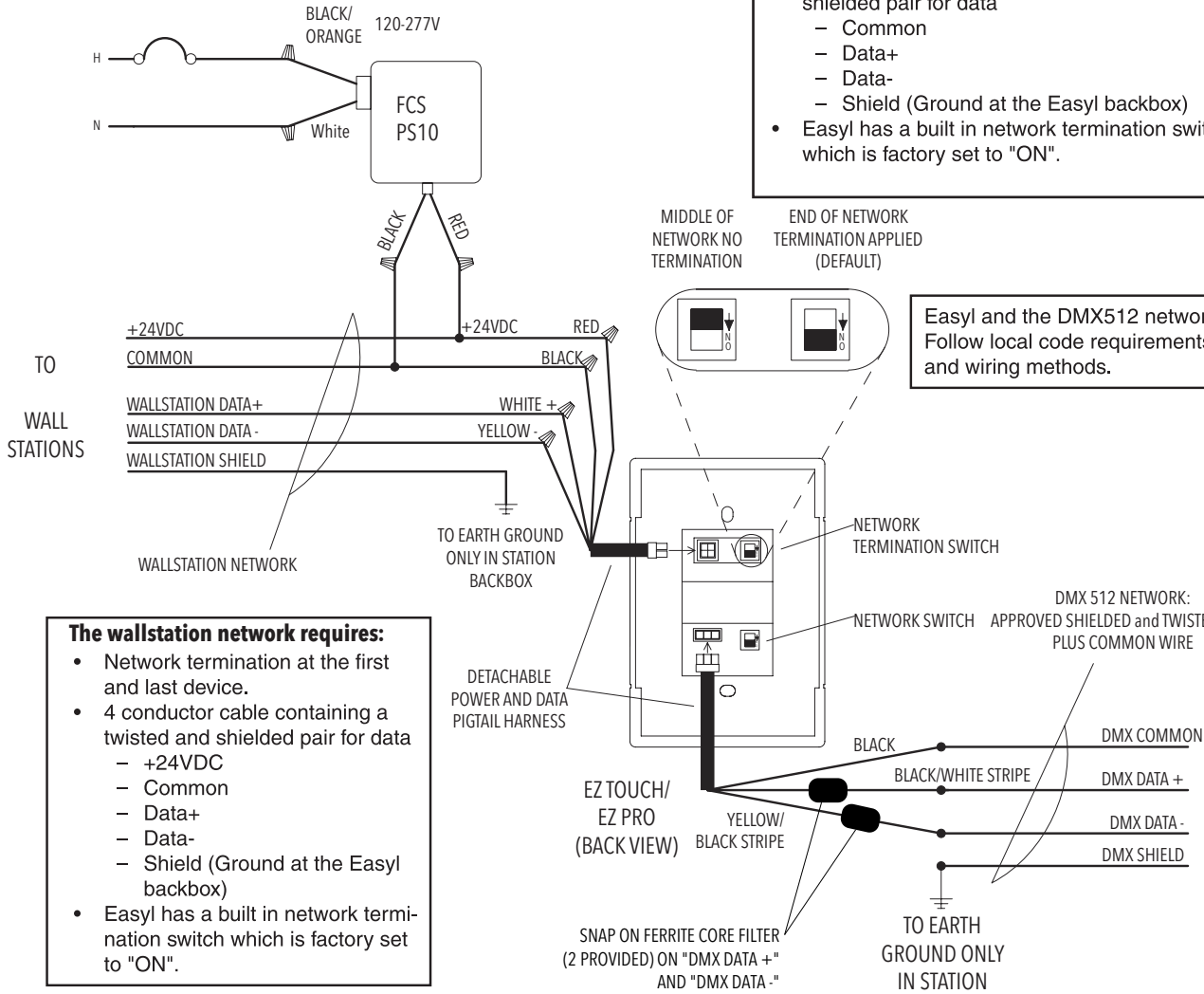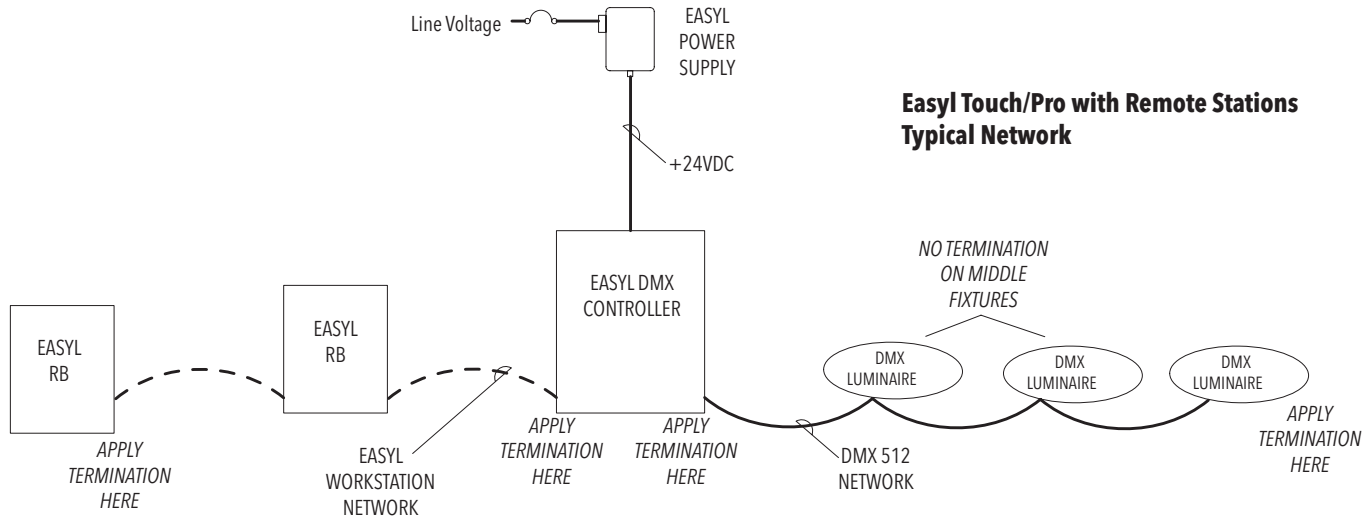- Easyl has a built in network termination switch which is factory set to "ON".

MIDDLE OF NETWORK NO TERMINATION

END OF NETWORK TERMINATION APPLIED (DEFAULT)

+24VDC   +24VDC   RED
COMMON   BLACK

TO

WALL

STATIONS

WALLSTATION DATA+   WHITE +
WALLSTATION DATA -   YELLOW -
WALLSTATION SHIELD

Easyl and the DMX512 network are Class 2. Follow local code requirements for cable rating and wiring methods.

WALLSTATION NETWORK

NETWORK TERMINATION SWITCH

TO EARTH GROUND ONLY IN STATION BACKBOX

NETWORK SWITCH

DMX 512 NETWORK: APPROVED SHIELDED and TWISTED PAIR, PLUS COMMON WIRE

The wallstation network requires:
- Network termination at the first and last device.
- 4 conductor cable containing a twisted and shielded pair for data
  - +24VDC
  - Common
  - Data+
  - Data-
  - Shield (Ground at the Easyl backbox)
- Easyl has a built in network termination switch which is factory set to "ON".

DETACHABLE POWER AND DATA PIGTAIL HARNESS

EZ TOUCH/
EZ PRO
(BACK VIEW)

YELLOW/
BLACK STRIPE

BLACK   DMX COMMON
BLACK/WHITE STRIPE   DMX DATA +
                         DMX DATA -
                         DMX SHIELD

SNAP ON FERRITE CORE FILTER (2 PROVIDED) ON "DMX DATA +" AND "DMX DATA -"

TO EARTH GROUND ONLY IN STATION

Line Voltage

EASYL POWER SUPPLY

+24VDC

Easyl Touch/Pro with Remote Stations Typical Network

EASYL DMX CONTROLLER

NO TERMINATION ON MIDDLE FIXTURES

EASYL RB

EASYL RB

DMX LUMINAIRE   DMX LUMINAIRE   DMX LUMINAIRE

APPLY TERMINATION HERE

EASYL WORKSTATION NETWORK

APPLY TERMINATION HERE

APPLY TERMINATION HERE

DMX 512 NETWORK

APPLY TERMINATION HERE

EASYL FEATURE COMPARISON

Easyl Features	SOLO	TOUCH	PRO
Preprogrammed shows, rainbow feature, chase feature	Yes	Yes	Yes
On-screen manual color select with favorites store & recall	Yes	Yes	Yes
On-screen master intensity slider	Yes	Yes	Yes
On-screen master speed control slider	Yes	Yes	Yes
Compatible with DMX512 and RDM fixtures	Yes	Yes	Yes
Configure on-screen logo and screen saver	Yes	Yes	Yes
Edit all shows through LCD Interface	Yes	Yes	
Basic show editing through LCD (complex features accessible in software through internal USB port)			Yes
Standalone only, no remote stations	Yes		
Operates with EZ RB 1-9 Button wallstations		Yes	Yes
Astronomic time clock (play show, set color, turn off, last command takes precedence)		Yes	
Astronomic time clock with advanced control (play show, set color, remote touchscreen or wallstation disable)			Yes
Computer based software for multi area show creation (Easyl™ Studio)			Yes
Allow temporary "overide" and returns to previously playing show			Yes