

**XL Fan Speed Cntrl Module** CentralIte: XL FSCB Tag Number 0046

**Fan Output / 1**

One other connection in panel.

BR 5: Ceiling Fan

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)157

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-33	14-2	BR 5: Ceiling Fan	3 This Panel Only	1C-33	14	Black	Switched	Fans-Hot 1
1C-33				1C-33	14	White	Neutral	Fans-Neutral 1

**Fan Output / 2**

One other connection in panel.

BR 4: Ceiling Fan

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)158

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-34	14-2	BR 4: Ceiling Fan	3 This Panel Only	1C-34	14	Black	Switched	Fans-Hot 2
1C-34				1C-34	14	White	Neutral	Fans-Neutral 2

**Fan Output / 3**

One other connection in panel.

Master BR: Ceiling Fan

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)159

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-35	14-2	Master BR: Ceiling Fan	3 This Panel Only	1C-35	14	Black	Switched	Fans-Hot 3
1C-35				1C-35	14	White	Neutral	Fans-Neutral 3

**Fan Output / 4**

One other connection in panel.

Study: Ceiling Fan

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)160

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-36	14-2	Study: Ceiling Fan	3 This Panel Only	1C-36	14	Black	Switched	Fans-Hot 4
1C-36				1C-36	14	White	Neutral	Fans-Neutral 4

**Line Input / 1**

3 other connections in panel.

(Ceiling Fans)

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)160

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-23	14-2	(Ceiling Fans)	7 Red/CB-Panel	1C-23	14	Black	Hot	Line-Hot 1
1C-23				1C-23	14	White	Neutral	Line-Neutral 1

**Line Input / 2**

3 other connections in panel.

(Ceiling Fans)

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)160

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-23	14-2	(Ceiling Fans)	7 Red/CB-Panel	1C-23	14	Black	Hot	Line-Hot 2
1C-23				1C-23	14	White	Neutral	Line-Neutral 2

**Line Input / 3**

3 other connections in panel.

(Ceiling Fans)

XL Fan Speed Cntrl Module

Output Address = MCP:1-(7-4)160

Change

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-23	14-2	(Ceiling Fans)	7 Red/CB-Panel	1C-23	14	Black	Hot	Line-Hot 3
1C-23				1C-23	14	White	Neutral	Line-Neutral 3

**Line Input / 4**

*3 other connections in panel.*

*(Ceiling Fans)*

XL Fan Speed Cntrl Module

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1C-23	14-2	(Ceiling Fans)	7	1C-23	14	Black	Hot	Line-Hot 4
1C-23			Red/CB-Panel	1C-23	14	White	Neutral	Line-Neutral 4

**Data Bus**

**Red: MCP 2 - Relay Driver #8 Bus - Segment 5**

XL Fan Speed Cntrl Module

Source Cable(s)				Source Wires				Device Connection
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	
1C-C07	Cat 5	Red: MCP 2 - Relay Driver #8 Bus - Segment 5	73	1C-C07	Cat 5e	Orange	1-WT	WT
1C-C07	(XL-R)		Green/XL-FSCB	1C-C07	Cat 5e	Blue	2-BL	BL
				1C-C07	Cat 5e	Green	3-GR	GN
				1C-C07	Cat 5e	Brown	6-BK	BK

**Ceiling Fan Relay Interface** JTJ: 1005 Tag Number  
0086

**Controls In**

**Red: Fan Dir Control Signals**

Ceiling Fan Relay Interface

<i>Source Cable(s)</i>				<i>Source Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A06 1C-A06	22-10	Red: Fan Dir Control Signals	64 Yellow/CN-Panel/2	1C-A06	22	Red	X1L	RL1-L
				1C-A06	22	White	X1R	RL1-R
				1C-A06	22	Green	X2L	RL2-L
				1C-A06	22	Brown	X2R	RL2-R
				1C-A06	22	Blue	X3L	RL3-L
				1C-A06	22	Orange	X3R	RL3-R
				1C-A06	22	Yellow	X4L	RL4-L
				1C-A06	22	Violet	X4R	RL4-R
				1C-A06	22	Gray	(spare)	nc
				1C-A06	22	Black	Select	Com

**Discrete Output / Relay 1**

*One other connection in panel.*

**Red Utility Closet: Direction Control - BR 4**

Ceiling Fan Relay Interface

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A21 1C-A21	22-4	Red Utility Closet: Direction Control - BR 4	3 This Panel Only	1C-A21	22	Red	Latch	Relay 1 - Latch
				1C-A21	22	Black	Com	Relay 1 - Com
				1C-A21	22	Green	Com	Relay 1 - Com
				1C-A21	22	White	Reset	Relay 1 - Reset

**Discrete Output / Relay 2**

*One other connection in panel.*

**Red Utility Closet: Direction Control - BR 5**

Ceiling Fan Relay Interface

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A22 1C-A22	22-4	Red Utility Closet: Direction Control - BR 5	3 This Panel Only	1C-A22	22	Red	Latch	Relay 2 - Latch
				1C-A22	22	Black	Com	Relay 2 - Com
				1C-A22	22	Green	Com	Relay 2 - Com
				1C-A22	22	White	Reset	Relay 2 - Reset

**Discrete Output / Relay 3**

*One other connection in panel.*

**Red Utility Closet: Direction Control - Master BR**

Ceiling Fan Relay Interface

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A23 1C-A23	22-4	Red Utility Closet: Direction Control - Master BR	3 This Panel Only	1C-A23	22	Red	Latch	Relay 3 - Latch
				1C-A23	22	Black	Com	Relay 3 - Com
				1C-A23	22	Green	Com	Relay 3 - Com
				1C-A23	22	White	Reset	Relay 3 - Reset

**Discrete Output / Relay 4**

*One other connection in panel.*

**Red Utility Closet: Direction Control - Study**

Ceiling Fan Relay Interface

<i>Load Cable(s)</i>				<i>Load Cable Wires</i>				
Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A24 1C-A24	22-4	Red Utility Closet: Direction Control - Study	3 This Panel Only	1C-A24	22	Red	Latch	Relay 4 - Latch
				1C-A24	22	Black	Com	Relay 4 - Com
				1C-A24	22	Green	Com	Relay 4 - Com
				1C-A24	22	White	Reset	Relay 4 - Reset

<b>Relay, Fan Direction Control (1 of 4)</b>	"Fan Direction Relay (BR 5)"	Potter & Brumfield: KUL-11D15D-24	Tag Number 1011
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**Power In (120 Vac)**

*One other connection in panel.*

**BR 5: Ceiling Fan**

Relay, Fan Direction Control #1

*Output Address =* MCP:1-(7-4)157

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-33	14-2	BR 5: Ceiling Fan	3 This Panel Only	1C-33	14	Black	Switched	3 & 4 (Line)
1C-33				1C-33	14	White	Neutral	1 & 6 (Neutral)

**Power Output**

**BR 5: Ceiling Fan**

Relay, Fan Direction Control #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1A-10	14-4	BR 5: Ceiling Fan	23 BR 5	1A-10	14	White	Field A	1 & 6 (Neutral)
1A-10				1A-10	14	Black	Field B	3 & 4 (Line)
				1A-10	14	Red	Phase A	7 (Out A)
				1A-10	14	Blue	Phase B	9 (Out B)

**Control In**

*One other connection in panel.*

**Red Utility Closet: Direction Control - BR 5**

Relay, Fan Direction Control #1

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A22	22-4	Red Utility Closet: Direction Control - BR 5	3 This Panel Only	1C-A22	22	Red	Latch	A (Latch -)
1C-A22				1C-A22	22	Black	Com	B (Latch +)
				1C-A22	22	Green	Com	8 (Reset +)
				1C-A22	22	White	Reset	5 (Reset -)

<b>Relay, Fan Direction Control (2 of 4)</b>	"Fan Direction Relay (BR 4)"	Potter & Brumfield: KUL-11D15D-24	Tag Number 1012
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**Power In (120 Vac)**

*One other connection in panel.*

**BR 4: Ceiling Fan**

Relay, Fan Direction Control #2

*Output Address =* MCP:1-(7-4)158

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-34	14-2	BR 4: Ceiling Fan	3 This Panel Only	1C-34	14	Black	Switched	3 & 4 (Line)
1C-34				1C-34	14	White	Neutral	1 & 6 (Neutral)

**Power Output**

**BR 4: Ceiling Fan**

Relay, Fan Direction Control #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1B-05	14-4	BR 4: Ceiling Fan	18 BR 4	1B-05	14	White	Field A	1 & 6 (Neutral)
1B-05				1B-05	14	Black	Field B	3 & 4 (Line)
				1B-05	14	Red	Phase A	7 (Out A)
				1B-05	14	Blue	Phase B	9 (Out B)

**Control In**

*One other connection in panel.*

**Red Utility Closet: Direction Control - BR 4**

Relay, Fan Direction Control #2

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A21	22-4	Red Utility Closet: Direction Control - BR 4	3 This Panel Only	1C-A21	22	Red	Latch	A (Latch -)
1C-A21				1C-A21	22	Black	Com	B (Latch +)
				1C-A21	22	Green	Com	8 (Reset +)
				1C-A21	22	White	Reset	5 (Reset -)

<b>Relay, Fan Direction Control (3 of 4)</b>	<b>"Fan Direction Relay (Master BR)"</b>	Potter & Brumfield: KUL-11D15D-24	Tag Number 1013
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**Power In (120 Vac)**

*One other connection in panel.*

**Master BR: Ceiling Fan**

Relay, Fan Direction Control #3

**Output Address =** MCP:1-(7-4)159

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-35	14-2	Master BR: Ceiling Fan	3 This Panel Only	1C-35	14	Black	Switched	3 & 4 (Line)
1C-35				1C-35	14	White	Neutral	1 & 6 (Neutral)

**Power Output**

**Master BR: Ceiling Fan**

Relay, Fan Direction Control #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2A-07	14-4	Master BR: Ceiling Fan	28 Master BR	2A-07	14	White	Field A	1 & 6 (Neutral)
2A-07				2A-07	14	Black	Field B	3 & 4 (Line)
				2A-07	14	Red	Phase A	7 (Out A)
				2A-07	14	Blue	Phase B	9 (Out B)

**Control In**

*One other connection in panel.*

**Red Utility Closet: Direction Control - Master BR**

Relay, Fan Direction Control #3

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A23	22-4	Red Utility Closet: Direction Control - Master BR	3 This Panel Only	1C-A23	22	Red	Latch	A (Latch -)
1C-A23				1C-A23	22	Black	Com	B (Latch +)
				1C-A23	22	Green	Com	8 (Reset +)
				1C-A23	22	White	Reset	5 (Reset -)

<b>Relay, Fan Direction Control (4 of 4)</b>	"Fan Direction Relay (Study)"	Potter & Brumfield: KUL-11D15D-24	Tag Number 1014
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**Power In (120 Vac)**

*One other connection in panel.*

*Study: Ceiling Fan*

Relay, Fan Direction Control #4

*Output Address =* MCP:1-(7-4)160

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-36	14-2	Study: Ceiling Fan	3	1C-36	14	Black	Switched	3 & 4 (Line)
1C-36			This Panel Only	1C-36	14	White	Neutral	1 & 6 (Neutral)

**Power Output**

*Study: Ceiling Fan*

Relay, Fan Direction Control #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
2B-16	14-4	Study: Ceiling Fan	30	2B-16	14	White	Field A	1 & 6 (Neutral)
2B-16			Study	2B-16	14	Black	Field B	3 & 4 (Line)
				2B-16	14	Red	Phase A	7 (Out A)
				2B-16	14	Blue	Phase B	9 (Out B)

**Control In**

*One other connection in panel.*

*Red Utility Closet: Direction Control - Study*

Relay, Fan Direction Control #4

Circuit ID Cable ID	Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-A24	22-4	Red Utility Closet: Direction Control - Study	3	1C-A24	22	Red	Latch	A (Latch -)
1C-A24			This Panel Only	1C-A24	22	Black	Com	B (Latch +)
				1C-A24	22	Green	Com	8 (Reset +)
				1C-A24	22	White	Reset	5 (Reset -)

<b>Outlet, Duplex (15A)</b>	"Duplex Outlet, Line Power"	(Part TBD)	Tag Number 0297
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**Power In (120 Vac)**

**"Red" Controller Panels**

Outlet, Duplex (15A)

Circuit ID Cable ID		Style	Location & Name	Length & Destination	Cable ID	AWG	Wire Color	Wire Function	Device Connection
1C-26		14-2	"Red" Controller Panels	14	1C-26	14	Black	Hot	Hot
1C-26				Multiple	1C-26	14	White	Neutral	Neutral