

CONTROL WIRE HOOKUP DIAGRAM

INSTALLATION INSTRUCTIONS

Interface to Switch Connections

The interface cable and the remote switch both have an 18TC common leadwire that must be spliced *group-to-group* and *color-to-color*.

REMAINING CONNECTIONS

GREY CONTROL INTERFACE CABLE (Connecting to the Interface)	CONTROL (Grey wire between Interface and Remote Switch)	REMOTE SWITCH CONNECTION (8, 12 or 20 Conductor)
BINARY		
A	BLACK	BLACK
B	WHITE	WHITE
C	GREEN	GREEN
D	RED	RED
E	BROWN	BROWN

SECTION

ORANGE	Section 1	ORANGE	
BLUE	Section 2	BLUE	
YELLOW	Section 3	YELLOW	
VIOLET	Section 4	VIOLET	
GREY	Section 5	GREY	
PINK	Section 6	PINK	
TAN	Section 7	TAN	
RED/GREEN	Section 8	RED/GREEN	
RED/YELLOW	Section 9	RED/YELLOW	
RED/BLACK	Section 10	RED/BLACK	
WHITE/BLACK	Section 11	WHITE/BLACK	

GROUND

WHITE/RED*

WHITE/GREEN*

16-gauge GREEN

YELLOW

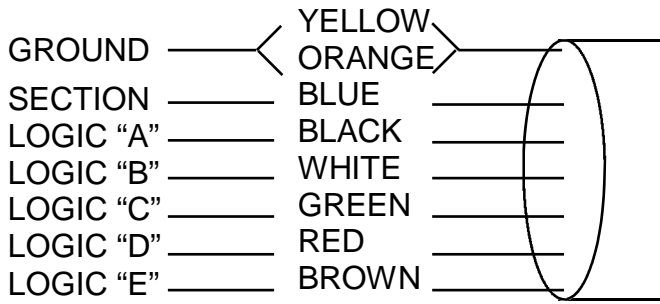
ORANGE

*These connections are for the interface cables (pigtail) only. In the control run the green 16-gauge conductor will be the ground connection.

TSGC
INC.

Tri-States Grain Conditioning, Inc.
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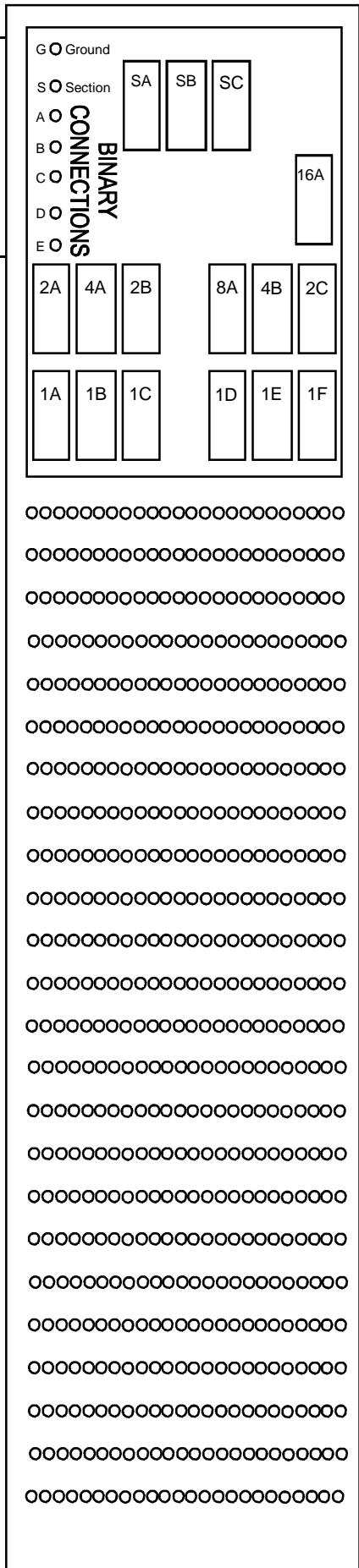
CONTROL CABLE



REMOTE SWITCH

Standard Switch - 24 Vdc

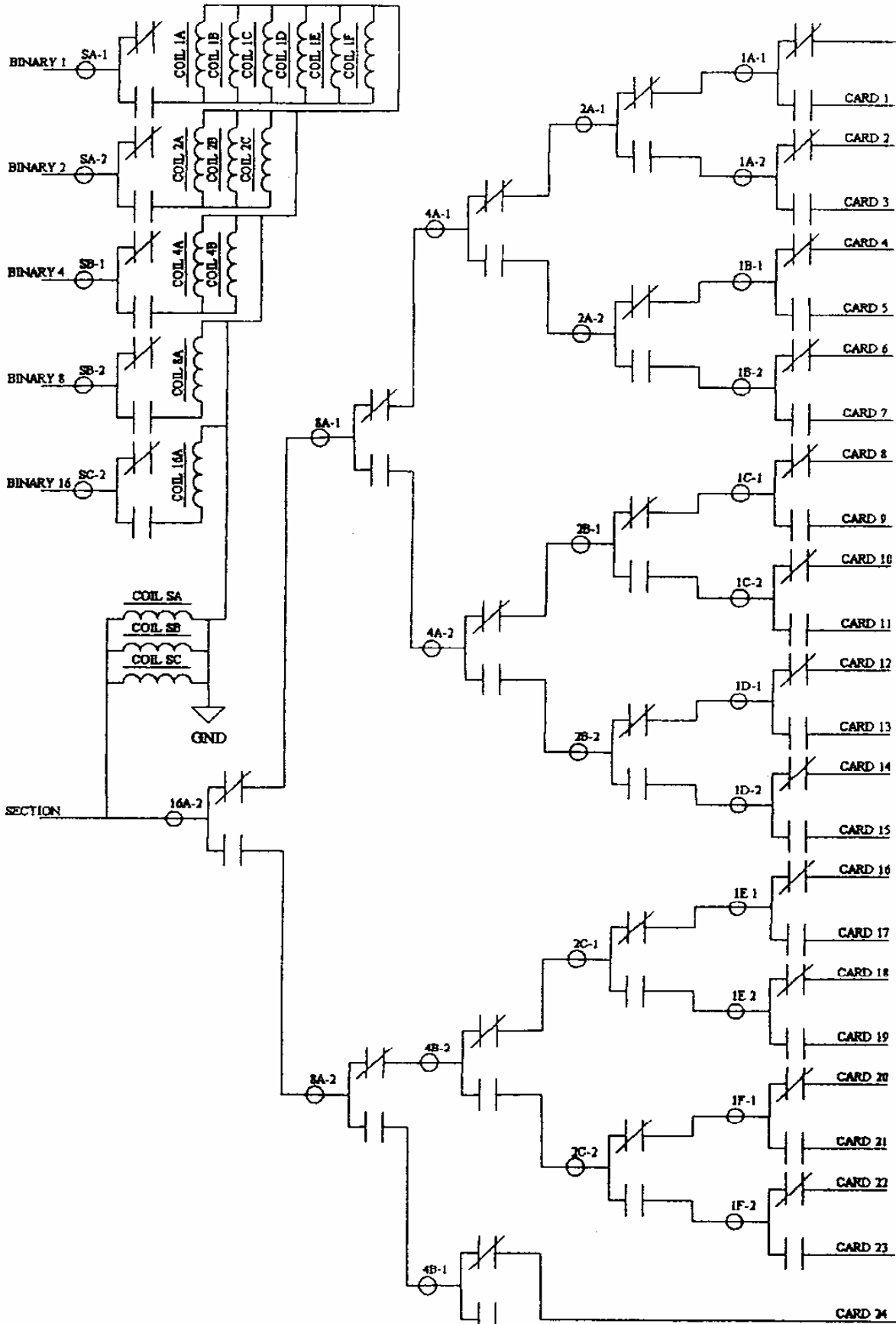
Optional 48 Vdc conversion available



PIGTAIL FROM SWITCH

- CABLE 1
- CABLE 2
- CABLE 3
- CABLE 4
- CABLE 5
- CABLE 6
- CABLE 7
- CABLE 8
- CABLE 9
- CABLE 10
- CABLE 11
- CABLE 12
- CABLE 13
- CABLE 14
- CABLE 15
- CABLE 16
- CABLE 17
- CABLE 18
- CABLE 19
- CABLE 20
- CABLE 21
- CABLE 22
- CABLE 23
- CABLE 24
- COMMON CABLE

SWITCH MOTHERBOARD

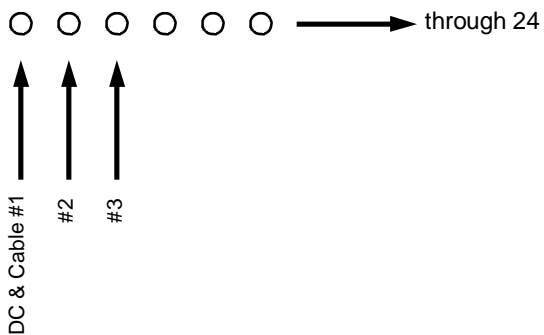
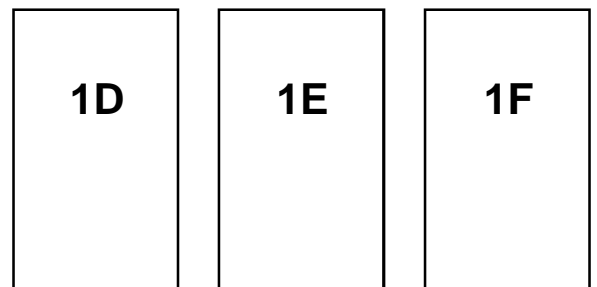
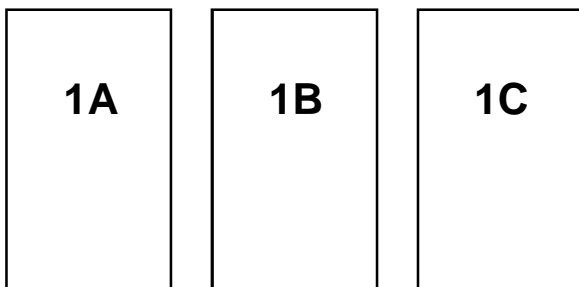
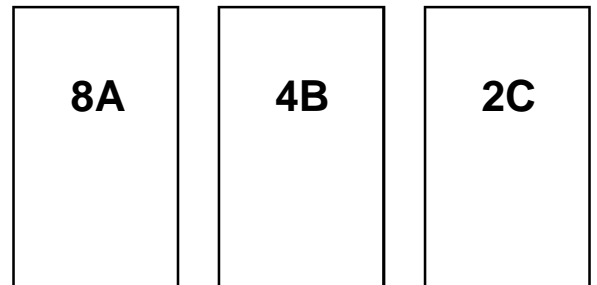
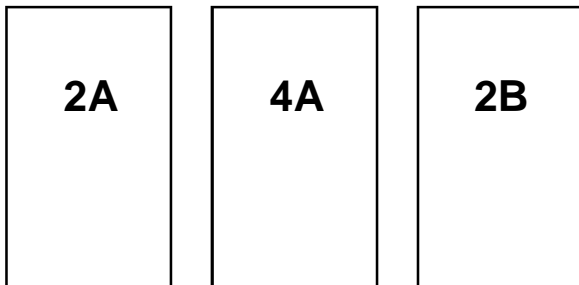
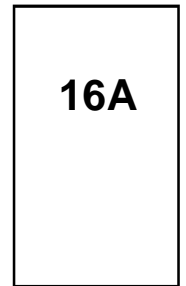
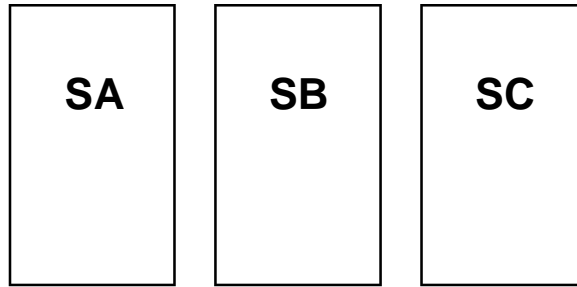


BINARY

Card #	16 E	8 D	4 C	2 B	1 A
1					1*
2				1	0
3				1	1
4			1	0	0
5			1	0	1
6			1	1	0
7			1	1	1
8		1	0	0	0
9		1	0	0	1
10		1	0	1	0
11		1	0	1	1
12		1	1	0	0
13		1	1	0	1
14		1	1	1	0
15		1	1	1	1
16	1	0	0	0	0
17	1	0	0	0	1
18	1	0	0	1	0
19	1	0	0	1	1
20	1	0	1	0	0
21	1	0	1	0	1
22	1	0	1	1	0
23	1	0	1	1	1
24	1	1	0	0	0

*1 = 24 Vdc

SA-SB-SC ARE SECTION RELAYS — ALWAYS IN ON THE SECTION



If the following Binary relays are out, the cables to the right of the relay will not read.

BINARY NO.

1A	Cables	1-2-3 Out
1B	Cables	4-5-6-7 Out
1C	Cables	8-9-10-11 Out
1D	Cables	12-13-14-15 Out
1E	Cables	16-17-18-19 Out
1F	Cables	20-21-22-23 Out
2A	Cables	1-2-3-4-5-6-7 Out
2B	Cables	8-9-10-11-12-13-14-15 Out
2C	Cables	16-17-18-19-20-21-22-23 Out
4A	Cables	1-2-3-4-5-6-7-8-9-10-11-12-13-14-15 Out
4B	Cables	16-17-18-19-20-21-22-23-24 Out
8A		No cables work
16A		No cables work
SA	Cables	1-2-3-5-6-7-9-10-11-13-14-15-17-18-19-21-22-23 Out
SB	Cables	4 out then repeat 1-2-3 until 16 then 17-18-19 then repeat 16-17-18
SC	Cables	OK until 16 then repeat 1-2-3-4-5-6-7-8

Binary relays are rated at approximately 1070 ohms.