WCR RELAY INSTALLATION INFORMATION FOR TSI WCR ELECTRONIC PULSING RELAY ON WE SXS LINE FINDER SWITCHES

'C' RELAY WIRING MODIFICATIONS

1. Remove two splices
2. Add strap

COIL TERMINAL DESIGNATIONS
AS SEEN FROM REAR OF SWITCH.

TELCO SYSTEMS, INC.
P.O. BOX 7654 WACO, TX.

INSTALLATION INSTRUCTIONS
WCR RELAY

COIL TERMINAL DESIGNATIONS
AS SEEN FROM REAR OF SWITCH.

TOLERANCE

REVISIONS
ORIGINAL
Installation Information for TSI-WCR Electronic Relay replacing the "C" Relay in WE line finder switches circuit SD-33013-01

Step 1  Remove spring contact pileup and armature from "C" relay.

Step 2  Mount TSI-WCR electronic relay onto the heelpiece using 6-32 X 3/16" screw furnished.

Step 3  Remove wire(s) from spring 1 and place on pin 2.

Step 4  Remove wire(s) from spring 2 and place on pin 1.

Step 5  Add strap wire from pin 3 to pin 4.

Step 6  Remove wire(s) from coil terminal LM and place on pin 4.

Step 7  Remove wire(s) from coil terminal T and splice together.

Step 8  Remove wire(s) from coil terminal RM and place on pin 6.

Step 9  Remove wire from coil terminal B and place on pin 7.

Step 10  Place wire from pin 5 to 'A' relay coil terminal T.

Step 11  Add 390 ohm resistor (furnished) from pin 7 to spring 1 of relay "P".

Step 12  Coil will no longer be in the circuit and may be removed or left in place.

NOTE:  This installation information is based on WE line finders wired per circuit SD-33013-01-4.

Should your circuit be wired differently or there be any question or additional information needed please call Dale Briggs at 1-800/433-3337.
WCR RELAY INSTALLATION INFORMATION FOR
TSI-WCR ELECTRONIC PULSING RELAY ON WE SXS LINE FINDER CONTROL CIRCUIT

SP RELAY WIRING MODIFICATIONS

SP RELAY WE SD-31922 011 ISS 19
LINE FINDER CONTROL CIRCUIT

NOTE 1. REMOVE "H" AND "J" WIRING.

2. WHEN USED ON SD-31731-011 REMOVE "2B" WIRING.

NOTE: WHEN Moving WIRES MAKE CERTAIN CONTINUITY OF OTHER WIRES IS MAINTAINED.
TSI-WCR ELECTRONIC RELAY

Installation Information for TSI-WCR Electronic Relay replacing the SP Relay in WE line finder control circuit SD-31922-011 ISS 19

Step 1  Mount TSI-WCR electronic relay below relay cover using double sided tape.
Step 2  Remove wire(s) from spring 1 and place on pin 1.
Step 3  Remove wire(s) from spring 2 and place on pin 2.
Step 4  SP relay will no longer be in the circuit and may be removed or left in place.
Step 5  Add strap wire from pin 2 to pin 3 & 4.
Step 6  Remove wire(s) from coil terminal 2BR and place on pin 5.
Step 7  Remove wire(s) from coil terminal 1BF and place on pin 6.
Step 8  Remove wire from coil terminal 4TR and place on pin 7.
Step 9  Add 250 ohm resistor (furnished) from pin 7 to pin 5.

NOTE:  This installation information is based on WE line finders control circuit SD-31922-011 ISS. 19

Should your circuit be wired differently or there be any question or additional information needed please call Dale Briggs at 1-800/433-3337.
WCR RELAY  INSTALLATION INFORMATION FOR TSI-WCR ELECTRONIC PULSING RELAY ON WE SXS LINE FINDER CONTROL CIRCUIT

SP RELAY WIRING MODIFICATIONS

SP RELAY WE SD-31922 011 LINE FINDER CONTROL CIRCUIT

NOTE 1. REMOVE "H" AND "J" WIRING.
Installation Information for TSI-WCR Electronic Relay replacing the SP Relay in WE line finder control circuit SD-31922-011

Step 1 Mount TSI-WCR electronic relay below relay cover using double sided tape.
Step 2 Remove wire(s) from spring 1 and place on pin 1.
Step 3 Remove wire(s) from spring 2 and place on pin 2.
Step 4 SP relay will no longer be in the circuit and may be removed or left in place.
Step 5 Add strap wire from pin 2 to pin 3 & 4.
Step 6 Remove wire(s) from coil terminal 2BR and place on pin 5.
Step 7 Remove wire(s) from coil terminal 1BF and place on pin 6.
Step 8 Remove wire from coil terminal 4TR and place on pin 7.
Step 9 Add 250 ohm resistor (furnished) from pin 7 to pin 5.

NOTE: This installation information is based on WE line finders control circuit SD-31922-011 ISS. 19

Should your circuit be wired differently or there be any question or additional information needed please call Dale Briggs at 1-800/433-3337.
Installation Procedure

1. Remove and tag all wires from springs 1 and 2 of the "C" relay.
2. Remove spring contact pileup and armature from "C" relay.
4. Place wires tagged 5A and 3E from spring 1 on pin 2.
4A. Place wire tagged "2 VERT INT" from spring 1 on pin 3.
5. Place tagged wire from spring 2 on pin 1.
6. Add diode (furnished) wired as shown from pin 2 to pin 3.
7. Remove wire(s) from coil terminal "LM" and place on pin 4.
8. Remove wire(s) from coil terminal "T" and splice together.
9. Remove wire(s) from coil terminal "RM" and place on pin 6.
10. Remove wire from coil terminal "B" and place on pin 7.
11. Place strap wire from WCR relay pin 5 to "A" relay coil terminal T.
12. Add 390 ohm resistor (furnished) from pin 7 to spring 1 of relay "D".
13. Coil will no longer be in the circuit and may be removed or left in place.

Should your circuit be wired differently or there be any questions or additional information needed, please call Dale Briggs at 800-433-3337; in Texas call 800-792-3441.

WHERE THE INSTRUCTIONS CALL FOR MOVING A WIRE MAKE CERTAIN THAT ALL WIRES ON THAT TERMINAL ARE MOVED AND RECONNECTED WHERE SPECIFIED.
Installation Information for TSI-WCR Electronic Relay replacing the "C" Relay in WE line finder switches circuit SD-33013-01

Step 1  Remove spring contact pileup and armature from "C" relay.
Step 2  Mount TSI-WCR electronic relay onto the heelpiece using 6-32 X 3/16" screw furnished.
Step 3  Remove wire(s) from spring 1 and place on pin 2.
Step 4  Remove wire(s) from spring 2 and place on pin 1.
Step 5  Add strap wire from pin 3 to pin 4.
Step 6  Remove wire(s) from coil terminal LM and place on pin 4.
Step 7  Remove wire(s) from coil terminal T and splice together.
Step 8  Remove wire(s) from coil terminal RM and place on pin 6.
Step 9  Remove wire from coil terminal B and place on pin 7.
Step 10 Place wire from pin 5 to 'A' relay coil terminal T.
Step 11 Add 390 ohm resistor (furnished) from pin 7 to spring 1 of relay "D".
Step 12 Coil will no longer be in the circuit and may be removed or left in place.

NOTE: This installation information is based on WE line finders wired per circuit SD-33013-01-4.

Should your circuit be wired differently or there be any question or additional information needed please call Dale Briggs at 1-800/433-3337.