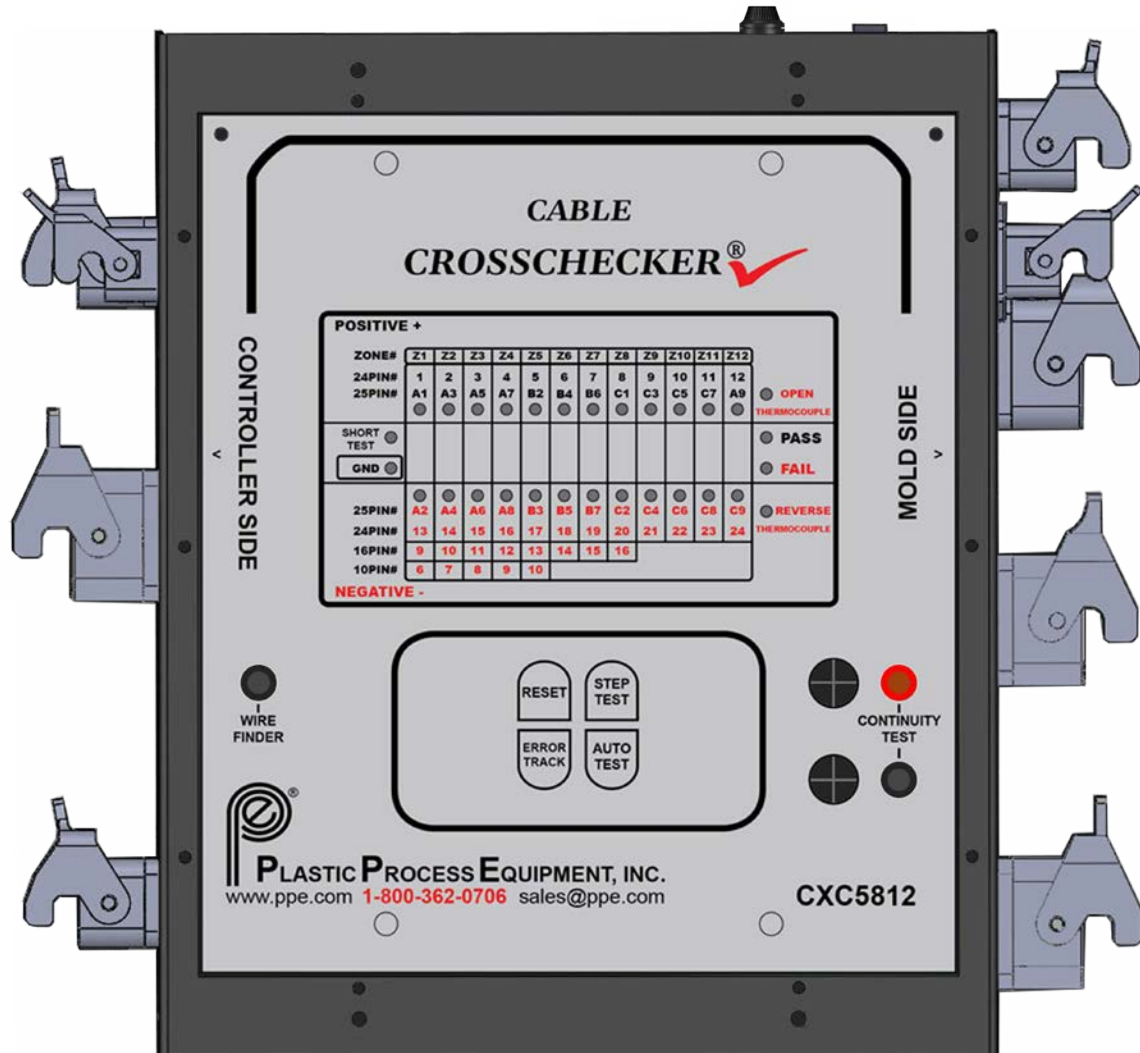


CXC5812 CABLE CROSSCHECKER®



USER MANUAL



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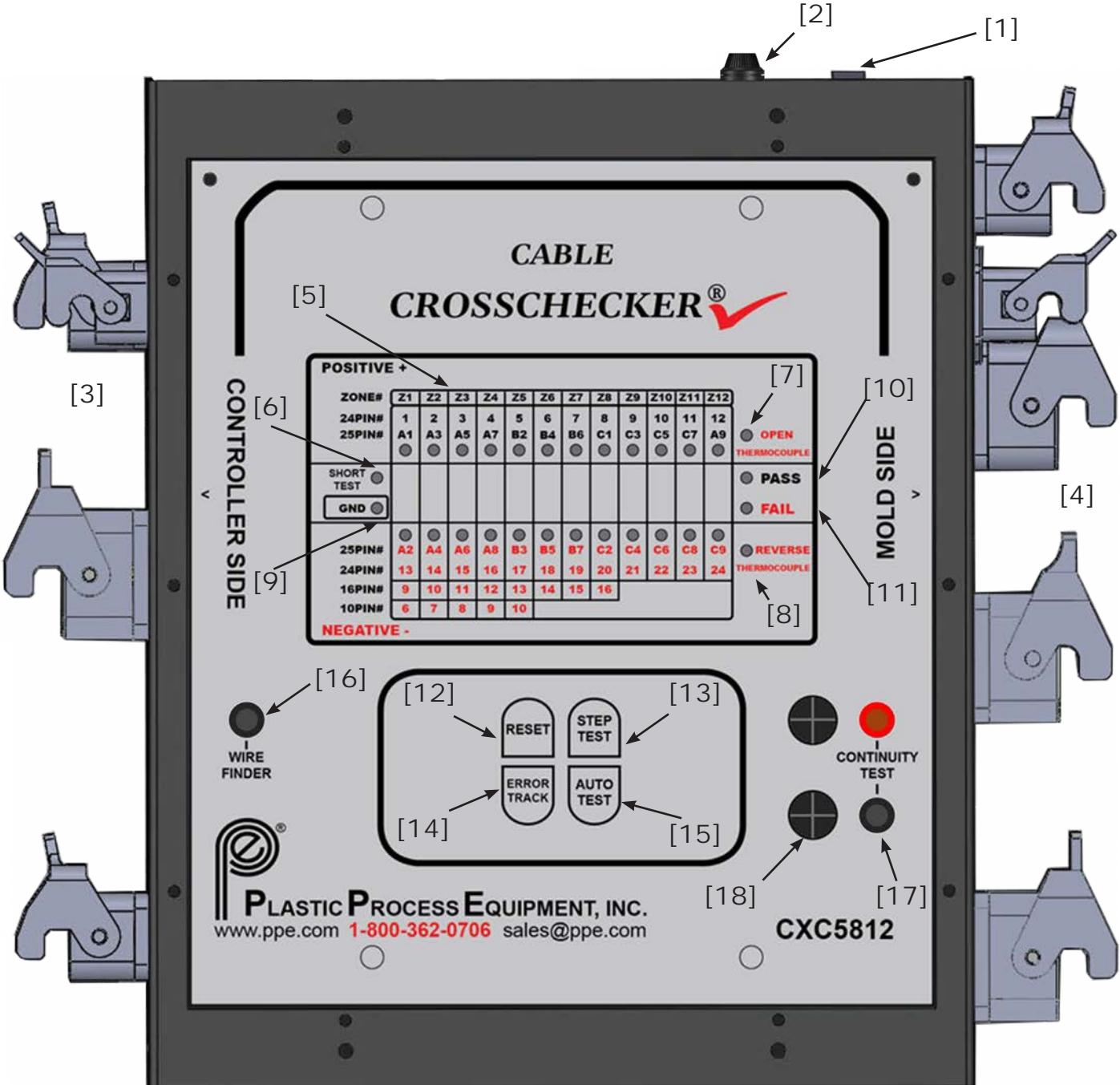
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CABLE TESTER LAYOUT



CABLE TESTER LAYOUT DESCRIPTIONS

[1]	MAIN POWER SWITCH	
[2]	FUSE	1 AMP 1/4x1-1/4" (3AG SIZE)
[3]	CONTROLLER SIDE CABLE CONNECTIONS	4 PIN + GND (1 Zone combination power and thermocouple) - FEMALE 25 PIN (5, 8, 12 Zone Power) - FEMALE 24 PIN (12 Zone Power) - FEMALE 25 PIN (5, 8, 12 Zone Thermocouple) - MALE
[4]	MOLD SIDE CABLE CONNECTIONS	4 PIN + GND (1 Zone combination power and thermocouple) - MALE 25 PIN (5, 8, 12 Zone Power) - MALE 10 PIN (5 Zone Thermocouple) - MALE 16 PIN (8 Zone Thermocouple) - MALE 24 PIN (12 Zone Thermocouple) - MALE
[5]	ZONE PIN INDICATOR LEDs	
[6]	SHORT INDICATOR LED	
[7]	OPEN INDICATOR LED	
[8]	REVERSE INDICATOR LED	
[9]	GND INDICATOR LED	
[10]	PASS INDICATOR LED (GREEN)	
[11]	FAIL INDICATOR LED (RED)	
[12]	RESET KEY	
[13]	STEP TEST KEY	
[14]	ERROR TRACK KEY	
[15]	AUTO TEST KEY	
[16]	WIRE FINDER PROBE JACK	
[17]	CONTINUITY TEST PROBE JACKS	
[18]	PROBE HOLDERS	

BEFORE STARTING ANY TESTS (CONTINUITY, WIRE FINDER, AUTO, OR STEP), ALL CABLES MUST BE DISCONNECTED FROM ANY OUTSIDE VOLTAGE SOURCE OR DAMAGE WILL OCCUR.

NOT COVERED UNDER WARRANTY.

CROSSCHECKER[®] OPERATION

POWER ON:

Plug the CROSSCHECKER[®] into a standard 120VAC outlet. Turn the **MAIN POWER SWITCH** to the **ON** position. A **beep** will sound, then the LEDs will go through a self test. Once the self test is completed, the **ZONE PIN LEDs** will start to flash indicating the unit is in **IDLE MODE**. The unit is now ready for **AUTO TEST**, or the **CONTINUITY** and **WIRE FINDER TEST** can be used.

TESTING A COMPLETE CABLE

AUTO TEST PROCESS:

(NOTE*: **SINGLE BEEP = PASS; CONTINUOUS BEEP = FAIL**) (Press any key to stop continuous beep)

1. While the **ZONE PIN LEDs** are flashing (idle mode), plug in the cable to be tested (controller side to the left, mold side to the right). Make sure the cable is securely inserted before proceeding.
2. Press the **AUTO TEST** key and the following processes will occur automatically.
3. Unit will go through a cable identification scan test to identify a 1, 5, 8, or 12 zone cable. The test will end with a **single beep** and the **ZONE PINS** will indicate the number of pins in the cable.
4. Testing of the ground will follow ending with a solid red **GND** light, solid green **PASS** light, and a **single beep**.
5. The ZONES PIN TEST will start. Each zone will be lit with the green **PASS** light. When test is completed, the green **PASS** light will be lit, and end with a **single beep**.
6. If there is a failure during a test, the **FAIL** light will flash, the unit will continuously beep, **ZONE PIN** will light, and the respective **ZONE ERROR** will flash. Refer to **table 1-2** for **ERROR** description.
7. To continue testing after a failed pin test: press the **STEP TEST** key to test the next zone pin. The **STEP TEST** key can be used to test the remaining zone pins until the last pin is reached.
8. After testing the remaining pins, the user can press the **ERROR TRACKING** key to go through the recorded errors again to assist in the cable repair.
9. After repairs are completed, press the **RESET** key to clear the unit, and **AUTO TEST** can be restarted.

CONTINUITY TEST AND WIREFINDER:

The CONTINUITY TEST and WIREFINDER replaces the need for a multimeter or test meter on hand.

WARNING: NOT TO BE USED ON ANYTHING, NOT INHERENT TO THE TESTER. TURN OFF ALL DEVICES AND DISCONNECT ALL WIRES/CABLES BEFORE USING. DAMAGE WILL OCCUR IF USED ON LIVE OR POWERED WIRE/CABLES.

CONTINUITY TEST:

While the **ZONE PIN LEDs** are flashing (idle mode), plug the test probes into the continuity test probe jacks [17]. Test by touching probes together, continuous beep should occur until the probes are separated. Proceed with continuity testing of cable.

WIREFINDER:

The CROSSCHECKER[®] **WIREFINDER** identifies unassembled pins to aid and accelerate assembly or repair of cables.

Connect the MOLD SIDE of the cable into the MOLD SIDE of the CROSSCHECKER[®].

While the **ZONE PIN LEDs** are flashing (idle mode), plug the test a probe into the WIREFINDER PROBE JACK [16]. Touch the test probe to one of the wires of the cable. The unit will beep and light the ZONE PIN LED solid identifying the pin location. The LED will remain lit until a new pin is tested. Now that the pin is identified, insert into the appropriate connector position. Retest cable.

TABLE 1-2	LED INDICATOR DESCRIPTIONS
WIRE FINDER OR CONTINUITY TEST MODE (IDLE)	All ZONE PIN LED - 1 SECOND INTERVAL FLASH WIRE FINDER MODE: TESTED ZONE PIN LED - SOLID LIGHT SINGLE BEEP
CABLE ID SCAN (SCANS FOR NUMBER OF ZONES)	ZONE PIN LED PAIRS - LIGHT SEQUENCE THROUGH ZONES 1 - 12 THEN 12 - 1 until cable is ID'd. ZONE PIN LEDs - SOLID LIGHTS depending on number of zones found. SINGLE BEEP
GROUND TEST PASSED	GND LED - SOLID LIGHT PASS LED - SOLID LIGHT SINGLE BEEP
INDIVIDUAL PIN TEST PASSED	ZONE PIN LED - SOLID LIGHT PASS LED - SOLID LIGHT
FULL CABLE TEST PASSED	PASS LED - SOLID LIGHT SINGLE BEEP
ERROR: GROUND IS SHORTED TO ZONE PIN	ZONE PIN LED(s) - FLASHING GND LED - SOLID LIGHT FAIL LED - FLASHING SHORT LED - FLASHING CONTINUOUS BEEPING
ERROR: ZONE PIN IS SHORTED TO ANOTHER PIN(S)	ZONE PIN LED (FIRST PIN) - SOLID LIGHT ZONE PIN LED(s) (SHORTED PIN) - FLASHING FAIL LED - FLASHING CONTINUOUS BEEPING
ERROR: ZONE PIN(S) IS OPEN (CUT OR DISCONNECTED WIRE)	ZONE PIN LED(s) - SOLID LIGHT OPEN LED - FLASHING FAIL LED - FLASHING CONTINUOUS BEEPING
ERROR: REVERSE (ZONE WIRES ARE CROSSED, I.E. IN A THERMOCOUPLE CABLE RED AND WHITE WIRES ARE CROSSED)	ZONE PIN LED (FIRST ID PIN) - SOLID LIGHT ZONE PIN LED (SECOND ID PIN) - FLASHING REVERSE LED - FLASHING FAIL LED - FLASHING CONTINUOUS BEEPING
ERROR: CROSSED WIRE (I.E. PIN A1 AND PIN B2 ARE CROSSED)	ZONE PIN LED (FIRST ID PIN) - SOLID LIGHT ZONE PIN LED (SECOND ID PIN) - FLASHING FAIL LED - FLASHING CONTINUOUS BEEPING

LIMITED WARRANTY

Warranty covers only defects in materials and workmanship when used normally.

Warranty does not cover the following:

Damage occurring due to abuse.

Latches, connector inserts, connector pins, membrane keypad, power cord.

Damage due to outside voltages being applied.