Capacitive Voltage Detector

ELECTRICAL+INDUSTRIAL | TOOLS+TECHNOLOGIES

TMAC™

THEW & McCANN GROUP

ACTIVE INNOVATION

TQCSI

ISO 9001:2015

Quality Certified

AU1313-QC-EC-SC

BEFORE YOU START

GENERAL PRECAUTIONS

Read and understand this guide before operating this equipment.

The TMAC Capacitive Voltage Detector (CVD) is to be only used by qualified personnel and must be used in conjunction with the user's own working and safety procedures, without compromising the integrity of the TMAC product supplied.

Follow all safety instructions contained within this guide.

QUALIFIED PERSON

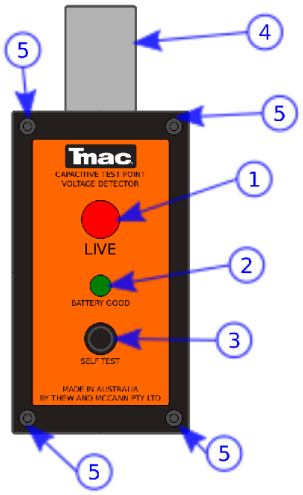
A qualified person is one who is familiar with the installation, construction, operation or maintenance of the equipment and the hazards involved. In addition this person is competent, trained and authorized to undertake the work involved in accordance with established safety and working procedures.

GENERAL INFORMATION

DESCRIPTION

The TMAC CVD is used for identification of live cable boxes and for proving dead on fault make ring main units (RMUs) with cable boxes fitted with single point capacitive test points. It has been designed with ease of use in mind. Live cable boxes can be identified by the "LIVE" indicator (LED) illuminating and an audible (buzzer) sounding. The device is suitable for proving dead on HV cable boxes with correctly installed capacitive test points. It is equipped with a comprehensive self test process which checks the batteries and internal components of the tester as well as verifying the presence of capacitance and absence of resistance on the capacitive test point. The ability to verify the capacitive test point is unique to the TMAC CVD and represents a significant advance in operator safety.

Capacitive Voltage Detector (CVD) Parts Identification



1. LIVE INDICATOR
2. BATTERY GOOD INDICATOR
3. SELF TEST BUTTON
4. CONTACT HEAD
5. PHILLIPS HEAD SCREWS

The T-mac CVD is made in Australia by Thew and McCann Pty Ltd. For more information go to www.thew.com.au

BATTERY TEST FUNCTION

To test the batteries, press the SELF TEST button. The green “BATTERY GOOD” indicator (LED) will light up if the battery is ok.

SELF TEST FUNCTION

1. Unscrew the protective brass cap from the test point of the RMU to be tested.
2. Press the contact head of the TMAC CVD against the **DEAD** capacitive test point of the RMU to be tested, ensuring there is good contact between the outer terminal of the test point and the TMAC CVD.
3. Press the SELF TEST button on the front of the TMAC CVD.
4. A successful self test is indicated by illumination of the “LIVE” indicator and sounding of the buzzer.
5. After the self test is completed and the TMAC CVD is removed from the test point, be sure to screw the protective brass cap back on the capacitive test point

NOTE: If the battery is low, the self test will not be successful. This is by design, as the testers indication can not be guaranteed with a low battery.

PROVING DEAD OPERATIONS

Perform a battery test on the TMAC CVD. (See “BATTERY TEST FUNCTION” above.)

Unscrew the protective brass cap from the test point of the RMU to be tested.

Press the contact head of the TMAC CVD against the capacitive test point, ensuring there is good contact between the outer terminal of the test point and the TMAC CVD.

Observe that the “LIVE” indicator does **NOT ILLUMINATE**.

With the contact head of the TMAC CVD still firmly against the capacitive test point, perform a self test. (See “SELF TEST FUNCTION” points 3, 4 and 5 above.)

REPLACING THE BATTERIES

To replace the batteries first, carefully unscrew the 4 countersunk phillips head screws securing the front panel of the TMAC CVD to the body. Carefully remove the front panel, paying attention not to damage the single wire connecting the front panel to the contact head. There are 2 x AA alkaline batteries on the rear of the front panel. Replace them only with alkaline AA cells. Regular dry cell carbon batteries are not suitable for this device.

REPAIR

The end user must not repair or modify any component associated with this device without written permission from TMAC.

If repair is required, contact TMAC.

TMAC

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DEFECTS / WARRANTY

DEFECTS

Goods are warranted to be free from defects. Provided they have been used strictly as recommended and subjected only to fair wear and tear, Goods (including parts within) which are found to be defective within 90 days after delivery to the Buyer will be repaired or replaced at the option of the Seller and at its expense. Repair or replacement by the Seller is the exclusive remedies of the Buyer.

WARRANTY

To the maximum extent permitted by law, the Seller makes no warranties, either express or implied, as to merchantability, fitness for purpose or otherwise with respect to the Goods other than in paragraph above and as required by statute. The Seller is not liable for any prospective profits or special, indirect or consequential damages or any general loss or damage, or for any expense resulting from use by the Buyer or others of defective Goods. The Seller's liability is limited to no more than the sale price of the Goods plus replacement delivery charges. Prior authority for the return of goods is required by the seller.

Please contact the seller by email sales@tmacgroup.com.au, phone 07 3826 6000 or fax 07 3826 6066 for claims related to defective / warranty of goods provided.

FOR THE FULL TERMS AND CONDITIONS PLEASE REFER TO TMAC "STANDARD TERMS OF TRADE"