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## TECH TALK: 0071 LEAKAGE TEST - ERP101 & EMH600H

### INTRODUCTION

The ERP101 and the EMH600H underwent a leak test. The aim of this test was to identify any possible leaks in each assembly. Each unit was assembled according to the assembly drawings, however for the purpose of this test the PCB was omitted, since the focus was each units housing.

### METHOD

Each unit was subjected to high-pressure water spray for 10 minute intervals. This was repeated 3 times. Each time the units were dismantled and inspected for water ingress. Water spray was concentrated on the sealing edges, buttons and plugs.

### RESULTS

- ERP101



The ERP101 cable gland demonstrated good sealing, since there were no signs of water ingress. The o-ring around the cap was also found to be very adequate in sealing the unit.

- EMH600H



Before assembly, the tolerances were checked for the button assembly to make sure it was within our specifications. The tolerances were found to be correct. The unit did not show any water ingress in each test.

## CONCLUSION

The results from this test show that the ERP101 and the EMH600H have adequate sealing and will not leak. Any cases of water ingress would indicate tampering of the unit or incorrect installation.