



# Safety Alert

**INCIDENT TITLE:** Wall Mounting Bracket Livening

**TIME AND DATE OF INCIDENT:** 15<sup>th</sup> April 2016

## INCIDENT DETAIL

During the fixing to a wall of an LCD screen mounting bracket, the tip of a fixing screw punctured a phase conductor of a power supply within the wall resulting in livening the wall bracket.

A couple of days later the circuit was earthed when the mounted television was connected to a second contact point through a laptop docking station HDMI connection.

This caused an internal failure of the LCD screen, a second LCD screen was mounted and subsequently failed before the livening fault was discovered.

Immediately after the fault was discovered the circuit supply breaker was opened and tagged as "Do Not Operate"

An Electrician was bought onto site to undertake repairs to the damaged cable.

Other wall mounted equipment at the site is to be tested.

## IMPORTANT INFORMATION

The fault was not immediately known, this meant the mounting bracket was live for a couple of days before being discovered.

The office site had been previously fitted with RCD protection. During this event, the RCD operated correctly when the earth contact was made.

The screws used to fix the mounting bracket were longer than necessary

The installer had no information of internal wall services at the time of fixing the mounting bracket

The office suspended flooring system most likely insulated the mounting bracket installer from earthing the fault

## BEST PRACTICE

Photographic records or drawings of wall internal services as reference during installation of wall fixed equipment

Installation of RCD protection systems on Electrical supplies

## PHOTOGRAPHS



## IMMEDIATE INTERIM ACTIONS

N/A

This Safety Alert is issued by the Corporate Safety & Health Team. For further information please contact:

Paul Lloyd or Graham White, Hydro Asset Management Team Twizel



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