

# DALI & SWITCH DIM INFORMATION

The supplied driver is capable of receiving either DALI, or Switch-Dim signals. In both cases, if the dimming function is desired, the usual active and neutral power lines need to be wired to the driver, but an additional two dimming control lines also need to be connected.

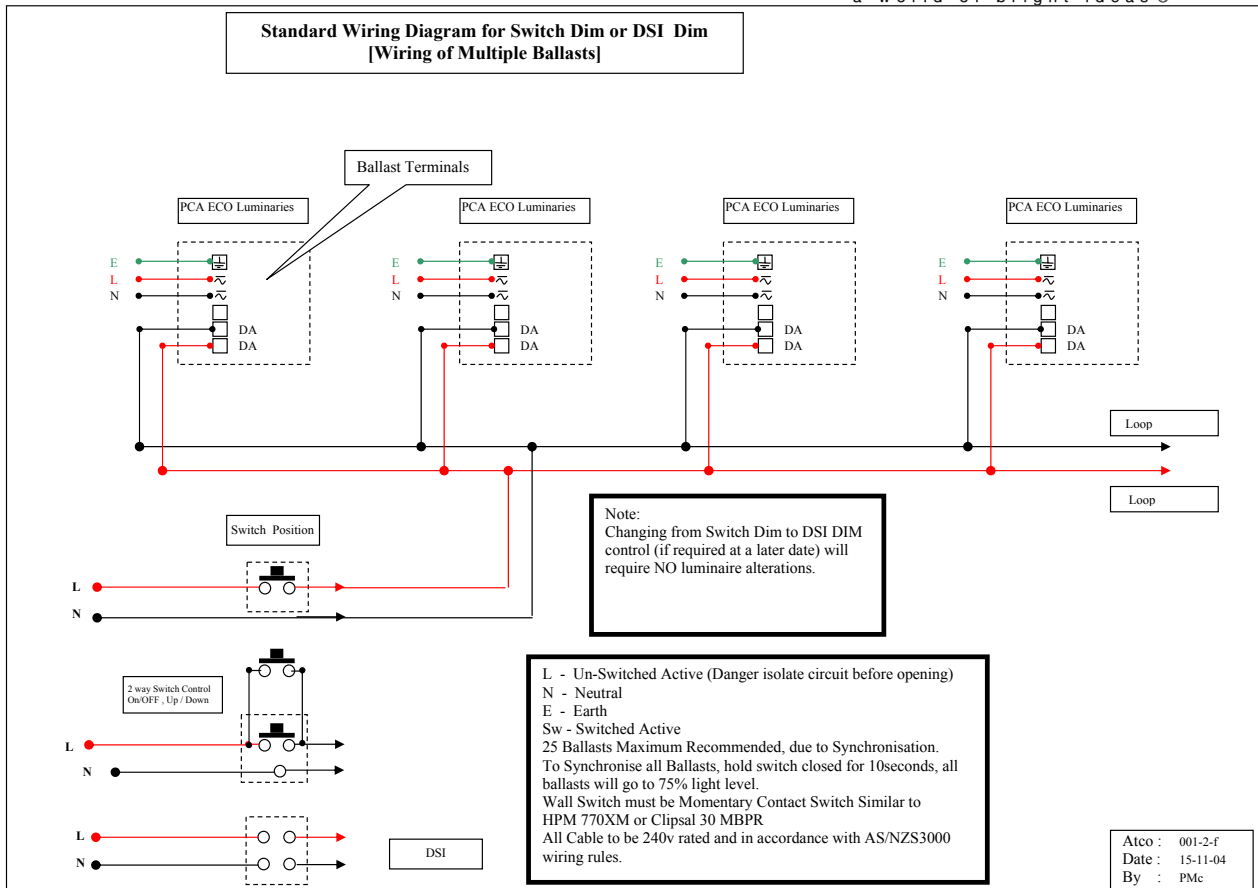
In the case of DALI, signals are transmitted on these dimming lines via a programmed DALI system - please consult your electrician or building automation specialist to ensure appropriate interfaces are in place.

In the case of Switch-Dim, a simpler localised setup can be achieved that is particularly relevant where a DALI control system is not required or possible. The installing electrician will need to wire the circuit according to the attached diagram, using a 'Clipsal 30pbbp bell press switch'.

<http://www.clipsal.com/Trade/Products/ProductDetail?catno=30PBBP>

Alternative switch products from other brands can be substituted if necessary, but must be of the exact same momentary action style. Incorrectly substituted switches can result in unusual dimming behaviour or non-operation. With Switch Dim, a brief press of the button will turn the pendant on or off, and a longer press+hold will ramp the brightness up and down.

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**Rakumba**

SKU - RP-E-1801-1808

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## FAQ / Troubleshooting

**Q.** Will the driver work with a Dynalite or C-Bus system?

**A.** Yes, but only if the Dynalite or C-Bus system has specifically been equipped with DALI hardware-please consult your installer.

**Q.** Will a Clipsal 'Universal Dimmer' be suitable?

**A.** 'Universal' dimmers are typically only appropriate for phase-cut dimming drivers (a.k.a. leading or trailing edge), and are not suitable for DALI or Switch-Dim applications.

**Q.** The pendant flickers instead of dimming

**A.** It's likely the switch dimming system has been either:

- incorrectly connected to an phase-cut dimmer.

- the Switch-Dim circuit has not been correctly wired- please refer to the circuit diagram.

- the Switch-Dim button is not the specified momentary action type. The switch should only engage when actively held down (like a doorbell) – it should not be a conventional rocker switch action, or stay engaged without actively holding it depressed.

**Q.** The pendant brightness ramps up and down from maximum to minimum brightness instead of turning on and off.

**A.** it's likely the Switch-Dim button is not the specified momentary action type. The switch should only engage when actively held down (like a doorbell) – it should not be a conventional rocker switch action, or stay engaged without actively holding it depressed.

**Q.** How can I check if the pendant has incorrectly been wired for Phase-Cut?

**A.** A qualified electrician can quickly identify if the correct dimming system has been wired by observing the number of individual conductors wired to the primary side of the driver. If the pendant has been set up for dimming, it should have 5 conductors entering the primary side (active, neutral, dim control 1, dim control 2, earth). If it only has 3 cores (active, neutral, earth) the pendant has either been deliberately wired as Non Dimming, or has been incorrectly connected to a Phase-Cut dimmer.

**Q.** The pendant switching/dimming is behaving unusually or is out of synchronicity with other pendants operated by the same dim switch.

**A.** In some situations, particularly when multiple pendants are operated by the same dimming switch, the pendants can come out of synchronisation. If this is undesired, the dimming operation can be reset by holding the push button down for 10sec continuously.