



# Switchbox Output Relay Connections & Numbering

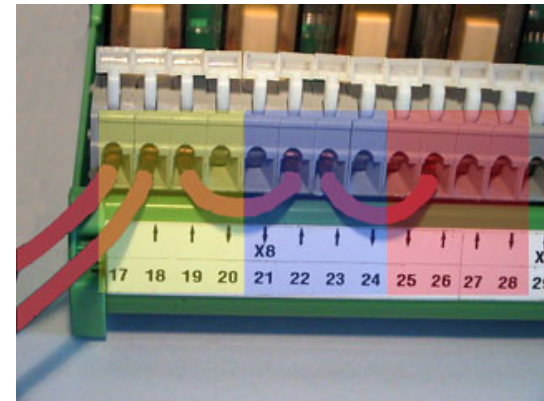
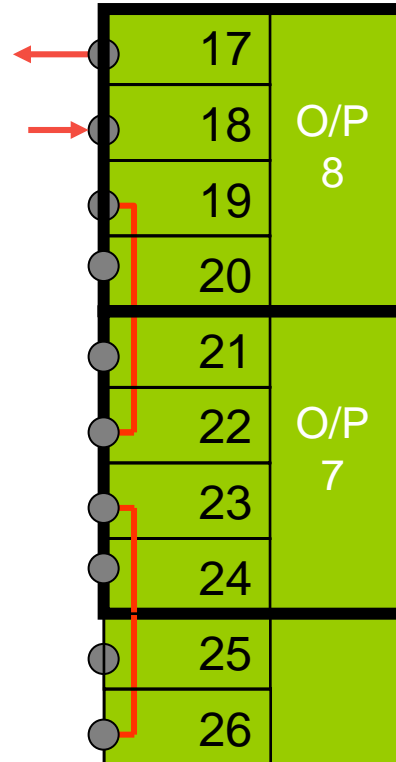
Each group of **four** terminals is defined as follows :

The lowest numbered terminal is **Normally Open (NO)** e.g. Terminal 17 for Output 8, and is the switched supply to the load

The next terminal is the **+ve supply** ( e.g. Terminal 18 for Output 8 )

The next terminal is used to **loop to the +ve** input to the next relay ( e.g. Terminal 19 on Output 8 goes to Terminal 22 for Output 7 )

The highest numbered terminal ( 20 for Output 8 ) of the four can be used if required for a **Normally Closed (NC)** connection if required.



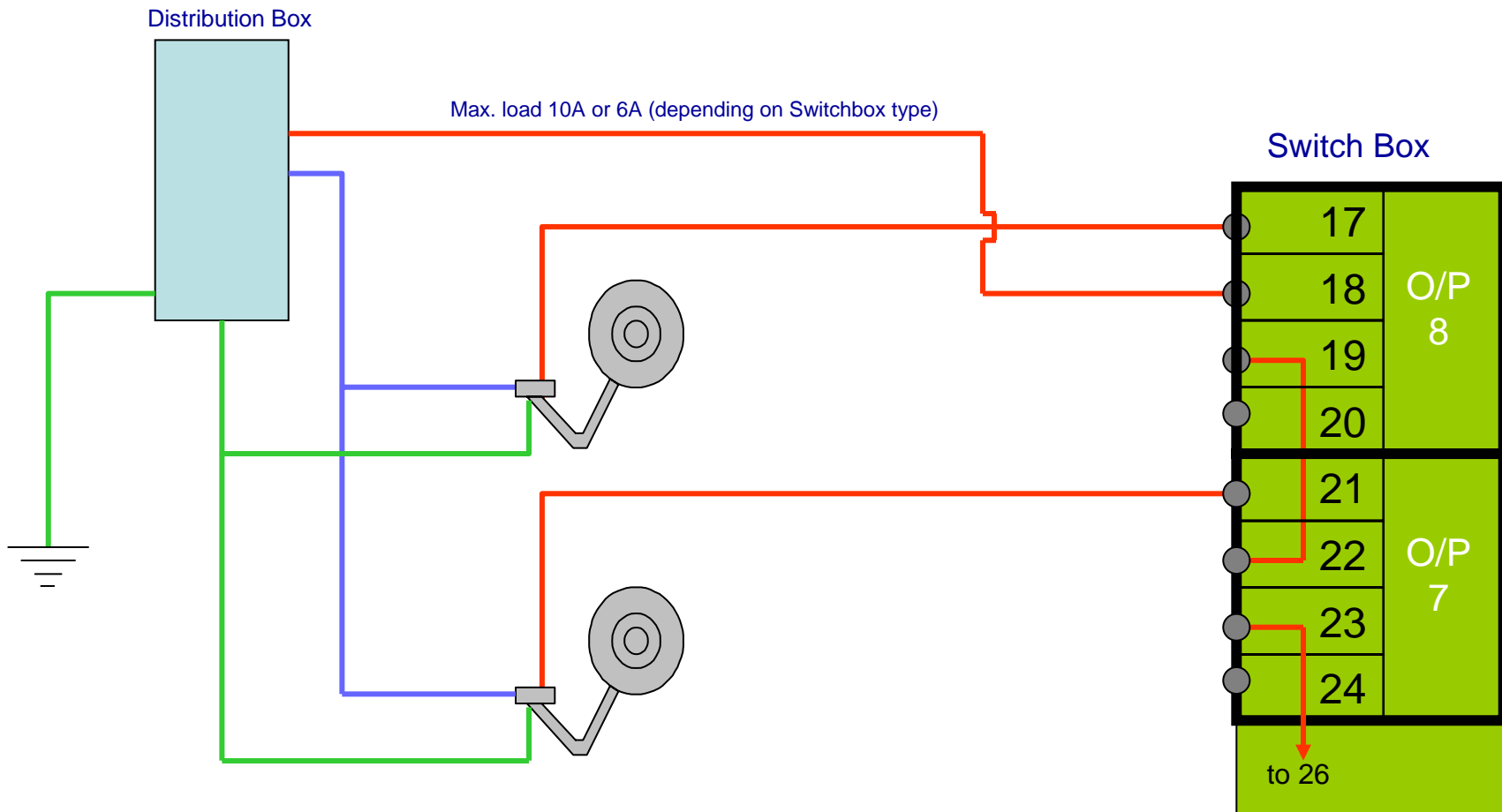
## Conventions:



Earth / Ground ( if applicable )  
Neutral / Return  
Live / Power

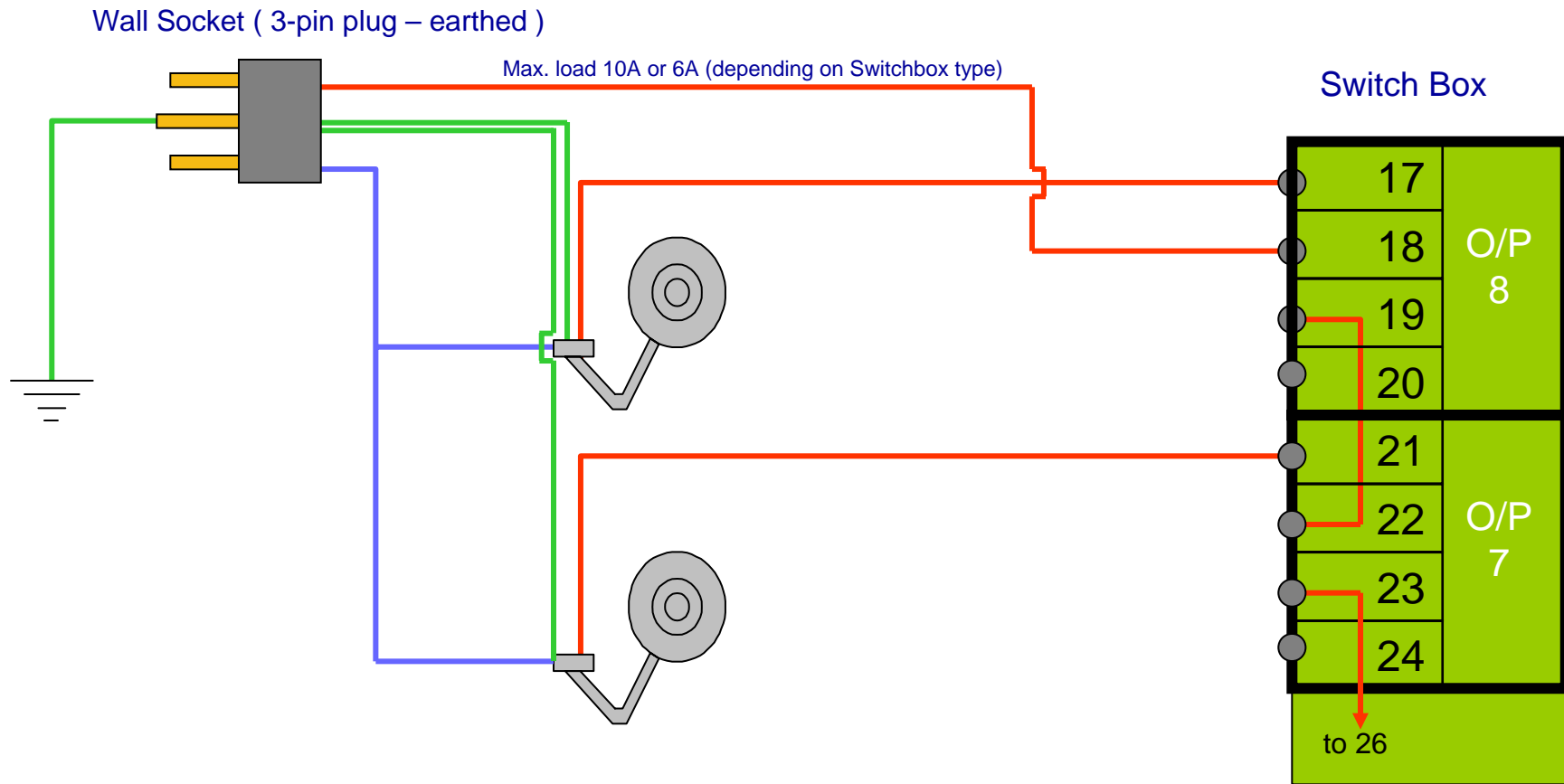


# Connecting Loads with Supply from Distribution Box



Full details of Switchbox Installation are available in the Online Help supplied with the software. [Hardware Installation > Switchbox](#)

# Connecting Loads with Supply from Wall socket

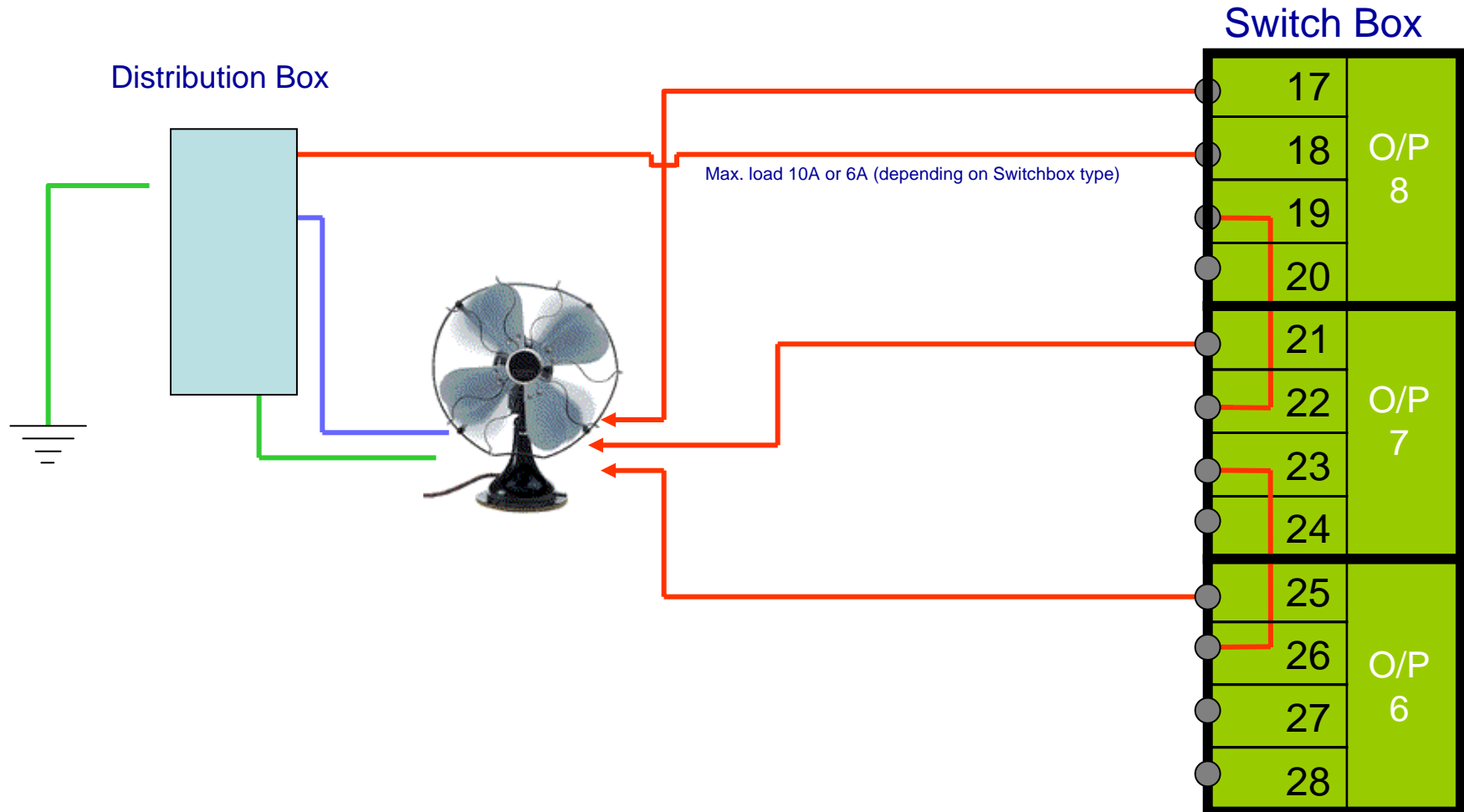




# Connecting a Multi-speed Device e.g Electric Fan

1 output relay is required for each speed setting.

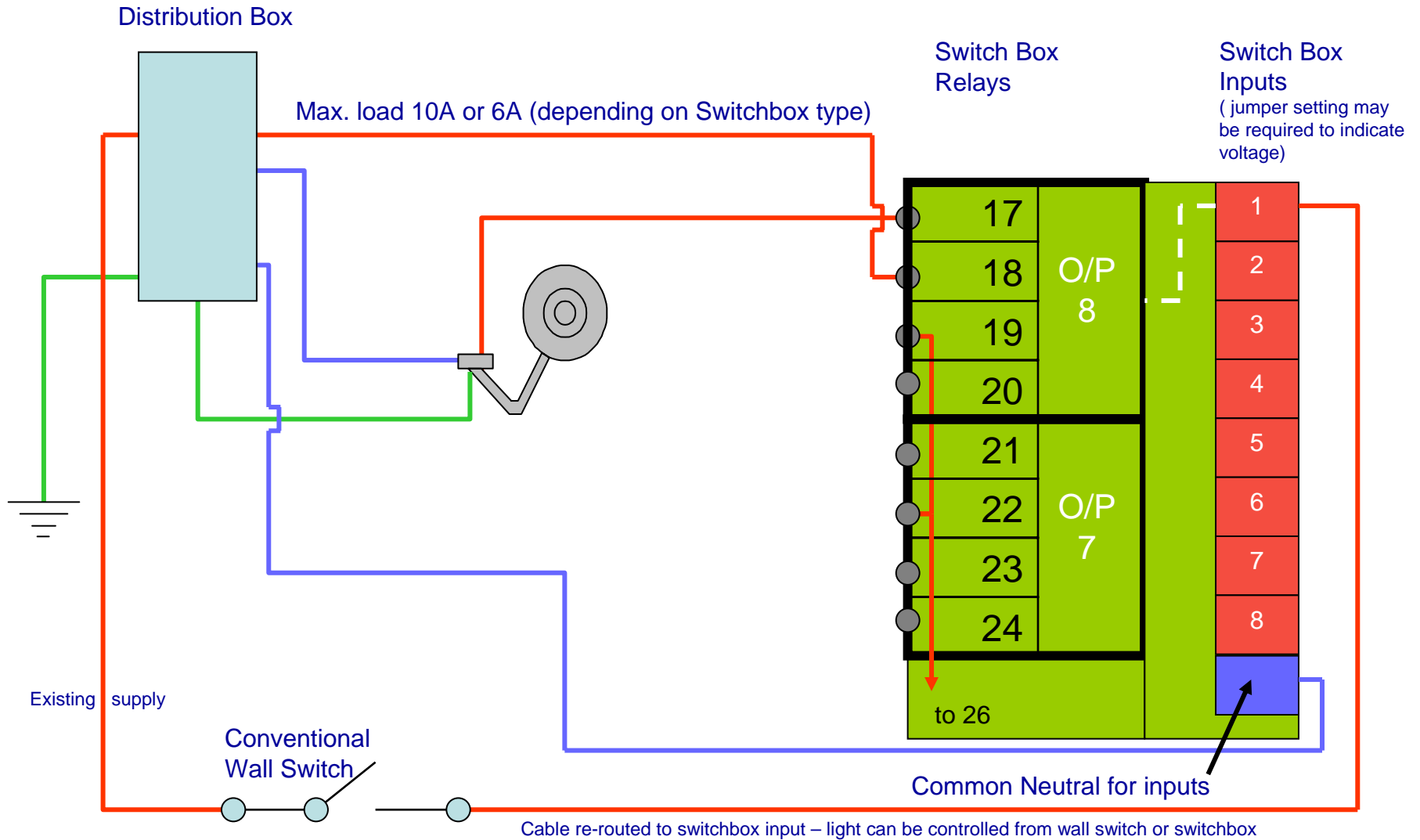
Using the InfoControl software you would set the Outputs as a group and use the **Switch with Interrupt** characteristics



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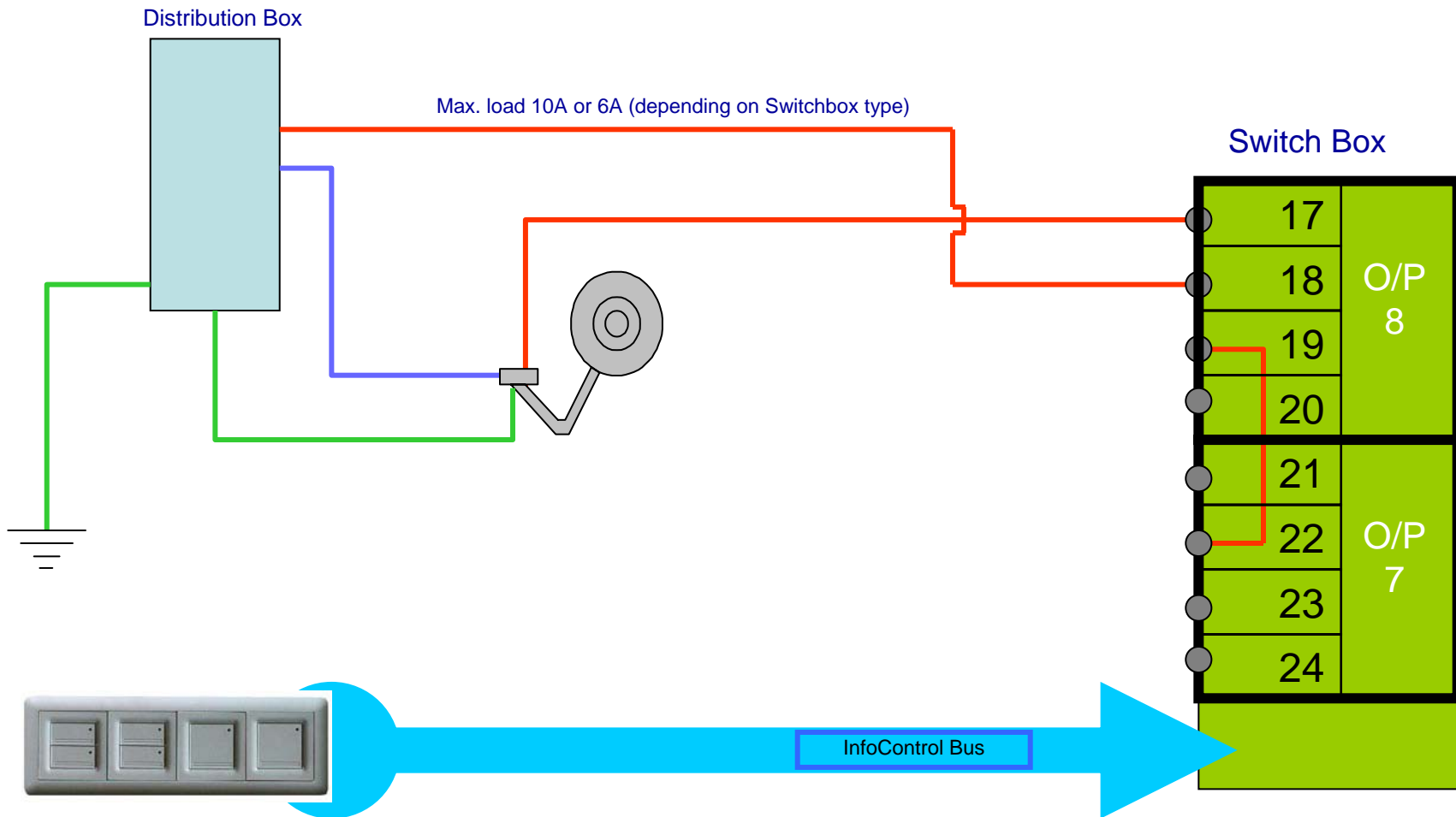
# Connecting a Load using existing conventional Wall Switch



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## Light activated using a Wall Switch module



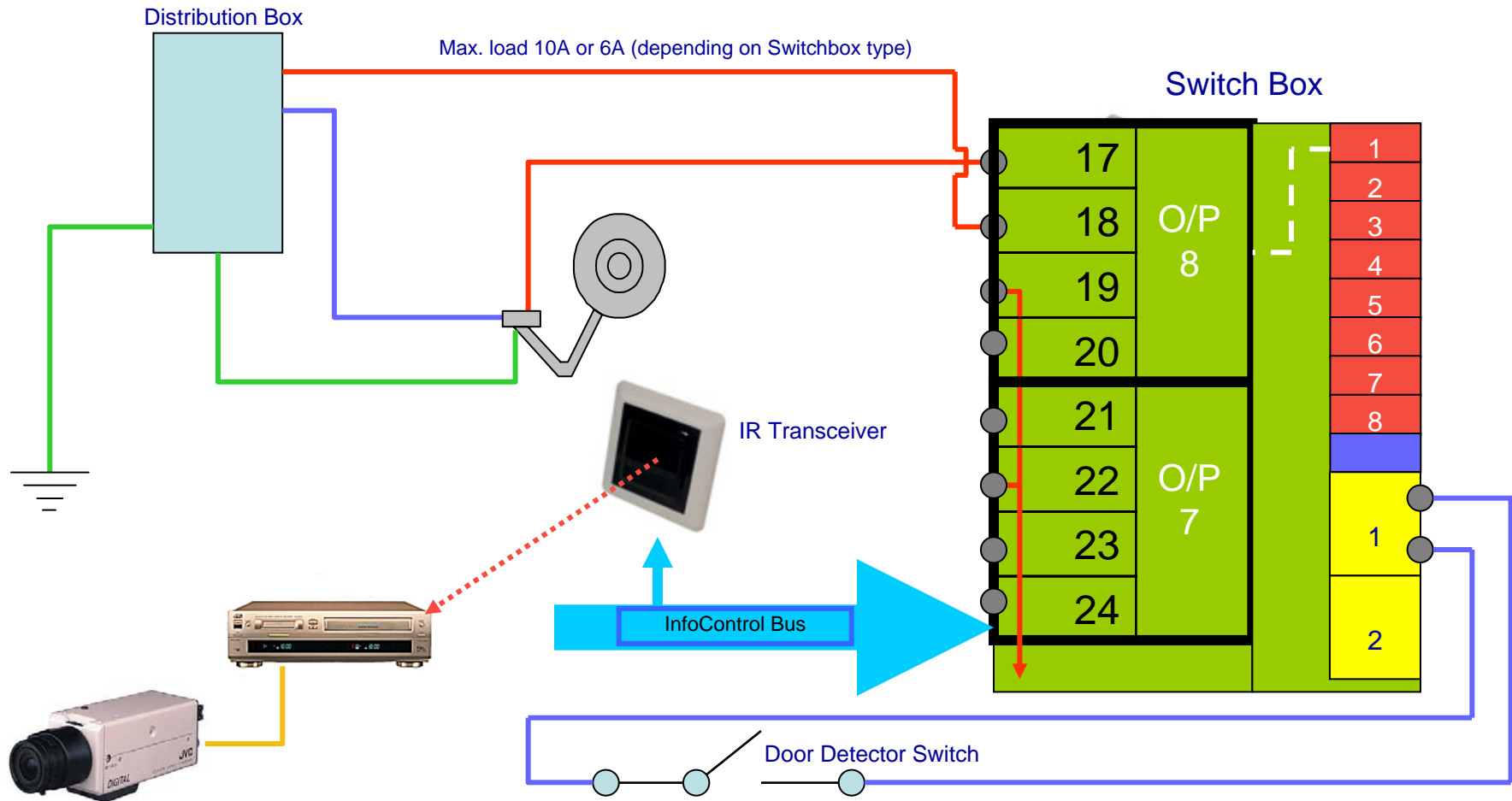
Pressing a switch on the wall switch module sends signal on control bus to switchbox which activates the relay in the mode defined in the InfoControl database. A single switch can activate one or more relays on one or more switchboxes. Switches can also be programmed to send IR commands to devices that have IR capabilities e.g. Air Conditioners, VCR's, TV's etc.

Full details of Switchbox Installation are available in the Online Help supplied with the software. [Hardware Installation > Switchbox](#)



# Using Isolated Contacts

On each Switchbox there are two **Isolated Contacts** ( shown in yellow in the diagram), which are used to detect a circuit 'make or break, such as a door open / close detector switch. No supply voltage must be present on the Isolated inputs. In the example shown below, if InfoControl detects that the switch state has changed from open to closed, it will switch on the light using a Switchbox relay, and start a VCR connected to a CCTV camera via an IR command. These event functions are preset using the InfoControl Management Software.



Full details of Switchbox Installation are available in the Online Help supplied with the software. [Hardware Installation > Switchbox](#)