

SWITCH DIRECTOR SELECTION GUIDE

We have various types of switch director. They all allow you to operate two (or more) different devices with the one switch but have slight variations in software and behaviour. Please specify the type you require when ordering.

'A' type Switch Director -

Suits control of two Scanning Devices

(such as a scanning communicator and a scanning environment control unit)

The 'A' Type switch director is easy to use and the user can stay on the same output for as long as desired. You don't have to go through the "change Outputs" routine unless you want to.

- Short switch presses operate the currently selected output.
- A longer sustained switch press will start the output select menu after a time delay and 5 short beeps. The time delay, before the beeps, can be adjusted by the 'Time Adjust' screw – it is typically set to about 10 seconds.
- After the 5 short beeps the user can:
- RELEASE after 2 beeps to change to output 2 from output 1.
- OR RELEASE after 1 beep to change to output 1 from output 2.

The main disadvantage of the 'A' Type is that the active output will be operated while you are holding the switch down during the "change Outputs" routine till the output changes. This unintended operation of the output may be problematic. It is often ok when the outputs are plugged into scanning devices, as one switch press should just start the scanning but not activate anything, but you may come across situations where the first press of the switch actually initiates some action. In such cases a 'B', 'C' Type or 'D' Type switch director may be preferable.

'A' type (NCT-ECU) Switch Director– With 1x ECU output & Nurse Call

- Short presses are sent directly to the ECU output.
- After a long press, warning beeps will be heard - the switch can be released during the beeping without activating alarm,
- If the switch is held after the beeps, the alarm output will be activated.

'AC' type Switch Director – With 2x ECU outputs & Nurse Call

- Short switch presses operate the currently selected output.
- A longer sustained switch press will start the output select menu after a time delay and 5 short beeps. The time delay, before the beeps, can be adjusted by the 'Time Adjust' screw – it is typically set to about 10 seconds.
- After the 5 short beeps the user can:
- RELEASE after 2 beeps to change to output 2 from output 1.
- OR RELEASE after 1 beep to change to output 1 from output 2.
- OR KEEP holding till rapid beeps indicate that alarm signal has been sent.

'B' Type Switch Director – Remote Door Selector + ECU

Suits control of one Scanning Device and multiple Door Openers – Usually via a multi-channel radio remote.

(Sends only one output pulse each time a 'Door' output is selected)

One switch can be used via the 'B' Type switch director to control one local communicator or environment control (ECU) device as well as control two or three remote doors.

Short switch presses operate the Local ECU output.

A longer sustained switch press starts the door select menu where the user can:

- Release after 1 beep to select output (Door) 1.
- Release after 2 beeps to select output (Door) 2.
- Release after 3 beeps to select output (Door) 3. (3-output version only)

'B2' Type Switch Director (Output on Release)

(Suits control of two Non-Scanning Devices – output 1 preferential)

This is the quickest way to select between two devices – device 1 will operate almost as quickly as if the switch were plugged directly into it, and output 2 will operate after a minimal delay. Could be used as a door selector or as a selector for wheelchair 'Mode' and 'Power' buttons.

The main disadvantage of all the 'B' Type Switch Directors is that the user must hold the switch down for an extended period to select the appropriate output – users that find this difficult should perhaps consider the 'C' Type Switch Director.

- Short switch presses - operate output1 on switch release for about 0.5 seconds.
- To operate output 2:
 - Hold switch down till a beep is heard then release the switch
This will operate output2 for about 0.5 seconds.

NOTE: If you decide that you do not want to operate the second output, keep the switch held till the unit gives small warble, then release the switch.

'B2-3' Type Switch Director – Remote Door Selector WITHOUT ECU

(Output on Release)

Suits multiple Door Openers – Usually via a multi-channel radio remote.

(Sends only one output pulse each time an output is selected)

Hold switch down – for a 1 second intention delay (briefly bumping the switch will not trigger any outputs). The main disadvantage of all the 'B' Type Switch Directors is that the user must hold the switch down for an extended period to select the appropriate output – users that find this difficult should perhaps consider the 'C' Type Switch Director.

Releasing the switch:

- After 1 beep selects output 1.
- After 2 beeps selects output 2.
- After 3 beeps selects output 3. (3-output version only)
- After 4 beeps selects output 4. (4-output version only)

Output is activated and unit warbles for a timed period (adjustable from 1 - 10 seconds) while the appropriate door open radio signal is sent.

'C' Type Switch Director – Remote Door Selector

Suits Door Openers – not suitable for scanning devices (sends only one output pulse each time an output is selected)

The 'C' Type switch director is especially designed for people who **cannot** hold a switch operated for extended periods (as is required with the 'B' Type switch directors)

- After a switch press to 'wake up' the unit,
- You must press the switch again after you hear one, two or three beeps to send one pulse to the output you selected.

'D' Type Switch Director - Suits control of Wheelchair and a Scanning Device (Can change outputs without triggering an output)

The 'D' Type allows you to select the output without operating anything. After a long switch press to 'wake up' the unit, it allows you to select the output you wish to use by pressing the switch again after hearing either one or two beeps. The difference between this and the 'C' Type is that the 'D' Type allows you to use the output you have selected for more than one switch press. The unit goes to sleep after an adjustable period when you stop using it.

For more detailed information, contact Technical Solutions Australia.