



SM108 DIRECTION ANALYSER INFORMATION BRIEF

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Manufactured in Australia by Alian Electronics Pty. Ltd.
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Direction Analyser for infrared sensors

Where an infrared beam must be placed across a driveway, doorway or factory entrance, false alarms by bugs, birds etc. are a problem. This unit supports two infrared beams so that both beams must be broken by the passage of a person or vehicle to trip a door chime or alarm.

Direction of travel is also detected, so that a different chime may be used when people enter or leave. Where an office foyer, shop space or driveway to a factory is not always attended, it is important to know when someone new has arrived rather than if an existing customer has just left. When an incoming chime activates staff will immediately know that the arrival must be greeted and should not be ignored, whereas an outgoing person or vehicle may require no action.

A third relay output reacts if both beams are blocked for more than a few seconds. (It may be used to signal that a vehicle has parked in a driveway and blocked an entrance)



This system also works with driveway hoses and mat sensors. It has also been attached successfully on a forklift to determine when the vehicle has entered a warehouse aisle in a forward or reverse direction

- Comes with an IP65 water resistant enclosure with a clear lid
- Three relays have dry 5 Amp relay contacts available to activate external equipment.
- Adjustable time delay of 1 to 60 seconds for Entry/Exit relays.
- Adjustable Reset time for Entry/Exit relays (to prevent false triggers on long vehicles or groups of people entering simultaneously)
- Option jumpers can be used to ignore travel in one direction.
- Special latching mode will activate a relay when a person/vehicle enters and release the relay when they leave. (to activate lighting or exhaust fans in a room or warehouse)
- Coloured status indicators show progress of movement detection.
- An alert beeper will pulse at one-second intervals if both beams are blocked for > 15 seconds.