



# Byrnes Entrance Technology

Formerly FRB Industries established 1981

BYRNES ENTRANCE TECHNOLOGY PTY LTD ABN 36 099 717 067

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• AUTOMATIC DOORS • AUTOMATIC GATES • REVOLVING DOORS • TURNSTILES • BOOMGATES

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## ARCHITECTURAL SPECIFICATION - BET 2100 SERIES AUTOMATIC SLIDING DOOR OPERATOR

Automatic sliding door operator shall be BET2100 bi-parting/single type, as supplied and installed by Byrnes Entrance Technology Pty Ltd, Tel: (02) 9531 5559 Email: [info@byrneset.com.au](mailto:info@byrneset.com.au)

**General description:** The drive control system shall consist of a robust DC motor with a programmable digital controller for position sensing of the doors by means of non-contact distance measuring system driving a toothed reinforced high performance type belt for silent and service free operation (chain not acceptable). The doors shall be totally controlled for the accurate slow down of door movement. (Limit switches not acceptable).

Door functions, safety and security settings can be adjusted using a hand held programmer.

The opening and closing speeds are individually adjustable; bi-parting door opening speed and closing speeds are adjustable up to 100cm per second and single door opening speeds are adjustable up to 50cm per second.

When first switched on and upon activation, the door operator shall adjust to its opening and closing positions.

Door track shall be hard-anodised aluminium replaceable heavy duty track. Door carriages shall be equipped with track rollers of no less than 55mm diameter, moulded on high quality ball bearings and with adjustable upthrust rollers and adjustable door hangers.

### Door control functions:

OFF – Door(s) closed. Door(s) closed and locked if optional electric lock is fitted.

AUTO – Door(s) operate automatically via motion sensors, or other actuation devices.

EXIT – Door(s) operate automatically via internal devices only, such as motion sensors or other actuation devices.

HOLD OPEN – Door(s) stay in the hold open position.

**Safety:** Automatic safety reversing function is in-built into the equipment to ensure the automatic reversing of the door(s) if obstructed in either direction.

Also select one of the following additional mandatory safety devices:

- BET/18 Dual Photo-electric safety beams, sun resistant type, which provide safety whilst doors operate, to prevent door (s) from closing if doors is obstructed, one set of beams located at up to 200mm from finished floor level and the second set of beams located at between 600mm to 1000mm from finished floor level.
- BET/ACTIV 8 Combined Motion and safety sensor, for transom or pelmet surface mounting.
- BET/MA Electric Floor Mat Switch, fully moulded, colour black, exposed surface dimensions: 700 x 1000, 700 x 1400, 900 x 1000, 900 x 1400, for maximum admissible intermittent load of 70kgs/cm<sup>2</sup>.

**Failsafe:** If mains power failure occurs, the door(s) will slide fully open for emergency egress and the door(s) will automatically reset upon power resumption.

**Electric lock: (Optional):** The operator shall be fitted an integrated electro-mechanical lock and battery module. If mains power failure occurs, for 'fail safe' function the door(s) will unlock and open or alternatively for 'fail secure' function the door(s) will remain locked until activated via the BET/14 EMERGENCY EXIT switch.

**Power:** 240VAC, 50Hz, 10amp single-phase power point (by others), above left hand side of door operator.

**Ambient operating temperatures:** -20 to +50 degrees Celsius.

**Door Activation:** Select from the following options, specifier to select as required:

- BET/EAGLE 5 Motion Sensor(s), for transom or pelmet surface mounting.
- BET/EAGLE 5/C Motion Sensor(s), for ceiling flush mounting.
- BET/ACTIV 8 Combined Motion and safety sensor, for transom or pelmet surface mounting.
- BET/MA Electric Floor Mat Switch, fully moulded, colour black, exposed surface dimensions: 700 x 1000, 700 x 1400, 900 x 1000, 900 x 1400, admissible intermittent load: 70kgs/cm<sup>2</sup>.
- BET Impulse keyswitch, wall or mullion mounting, located outside.
- BET/14 EMERGENCY EXIT switch, wall or mullion mounting, located inside.
- Compatible with access control systems, card readers, intercom systems and other activation equipment.

**Proprietary Item supplied by: Byrnes Entrance Technology Pty Ltd** Email: [info@byrneset.com.au](mailto:info@byrneset.com.au)

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