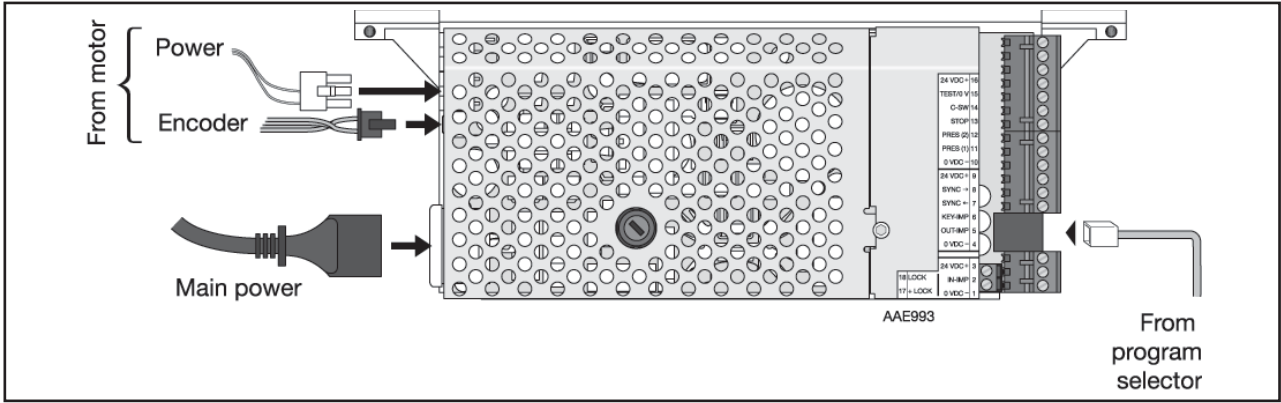
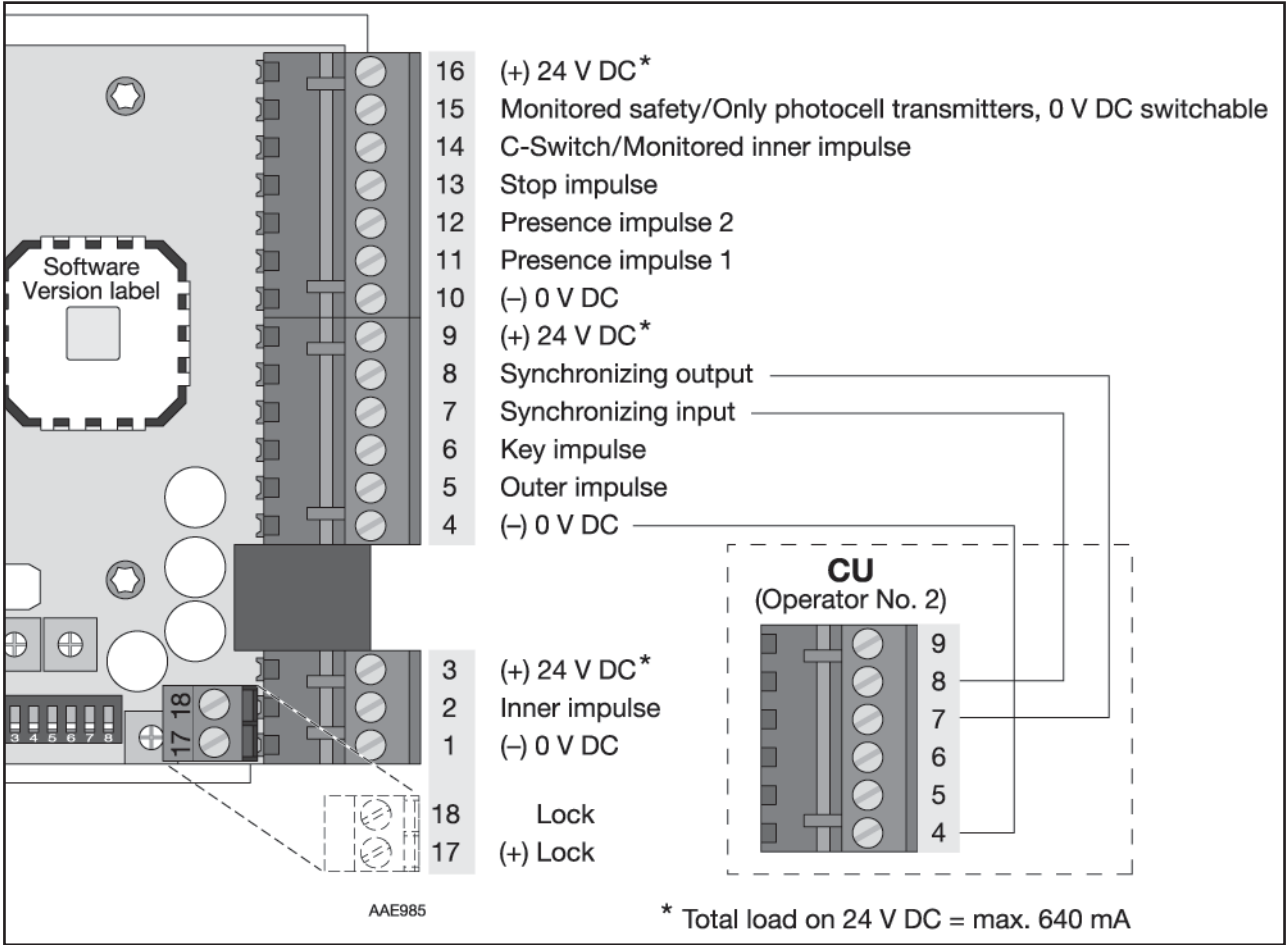


The Control Unit Is Equipped with:

Contacts for Connection of Standard Units

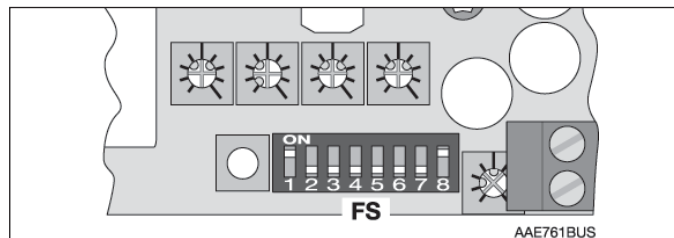


Terminal Block for Connection Accessories



Note! To be able to adjust the functions below the lid must be removed (see page 49).

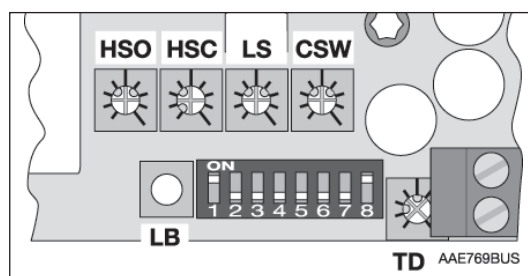
Function Selector, FS, Used to Select Special Operating Functions



Function selector FS	OFF	ON
1. Belt travel direction on opening facing cover side	CW	CCW
2. Lock configuration (locked with/without power)	With	Without
3. Lock release ¹	No	Yes
4. Presence detection type (normally open/closed) ²	NO	NC
5. Emergency unit type ³	Electric.	Mech.
6. Emergency unit monitoring	No	Yes
7. Inner imp. monitoring & No. of monit. pres. imp.	No&0	Yes&1
8. Hold force on closed door ⁴ (0 N / 45 N)	No	Yes

- ¹ If “Lock release” is active, the door will apply force in the closing direction when the lock is unlocked. This is made to prevent a lock from being stuck in locked position when opening.
- ² Applies in common for the terminals 11, 12 and 13 on the control unit CU.
- ³ Choose between “Electrical” (Battery) or “Mechanical” (Rubber band). If no emergency unit is installed the parameter should be set to “Electrical” (default setting). When convenience battery is used the function selector FS-5 must be set to ON (Mechanical).
- ⁴ Used to **keep** the door in closed position.

Potentiometers and learn button



Note!
Potentiometers factory settings
see arrows on potentiometers

Parameter (speed applies to single panel)			
HSO:	High speed opening	0.10 – 0.70 m/s	(0.33– 2.30 ft/s)
HSC:	High speed closing	0.10 – 0.70 m/s	(0.33– 2.30 ft/s)
LS:	Low speed	0.05 – 0.70 m/s	(0.17– 2.30 ft/s)
CSW:	C-switch distance	Min. = 0 mm / Middle = 700 mm (2.3 ft) / Max. = 1400 mm (4.6 ft)	
TD:	Hold open time	0 – 60 s (setting applies also to “Partial Hold Open Time”)	
LB:	Learn button		

Always start any troubleshooting by checking the mechanical and electrical parts of the operator in the following order.

The control unit, emergency unit and electromechanical lock are fixed with brackets in the support beam. To replace, the complete unit is to be loosened and replaced.

1. Mechanical Checking and Remedies

Disconnect the main power. Remove the tooth belt from the tooth belt fitting. Pull the door leaf manually and check that the door can be easily moved over the complete sliding track/floor guide. If the door leaf stops or is hard to move, the reason may be sand, stones, rubbish etc. in the floor guide. The door leaf may also be jamming on the floor or on the weather brush. Clean the floor guide, adjust the door leaf height/depth or take other necessary measures until the door leaf is running smoothly when manually operated. Repeat for the other door if bi-parting.

2. Error Indication

During normal operation the light emitting diode (LED) on the control unit is illuminated.

A flashing light on the LED or an extinguished LED indicates that the operator is out of function or waiting for monitoring acknowledgement.

LED

<u>FLASH FREQUENCY</u>	<u>REASON</u>	<u>REMEDY</u>
4 fast flashes, pause; repeats	Motor temperature high	Wait one minute for the operator to recover. If necessary replace the control unit
2 fast flashes, pause; repeats	EEProm access error	Reset the operator. Replace the control unit if necessary
Continuos; no pause	Battery system	Check battery connection Check battery fuse Check that battery is charged
	Motor/Encoder	Check motor connection Check encoder connection Check door moves with low friction Check that EXU-1 or 3 is seated properly Replace the motor/encoder unit Replace the control unit
	Processor error	Press reset