

## TDI - Electronic Time Delay Isolator



- Electronic time delay isolator and a heavy duty trapped key interlock switch
- Controlled by a fail-safe timer and solenoid
- Designed to control access to hazardous machines with run down times
- Can be used in high risk applications
- Incorporates a dual channel fail-safe timer, a heavy duty continuously rated solenoid, solenoid position monitoring, a 20 A isolation switch, a front panel lamp indication of solenoid position and a timer failure
- Available with FS or Q type lock portions
- One or more lock portions for multiple access applications available

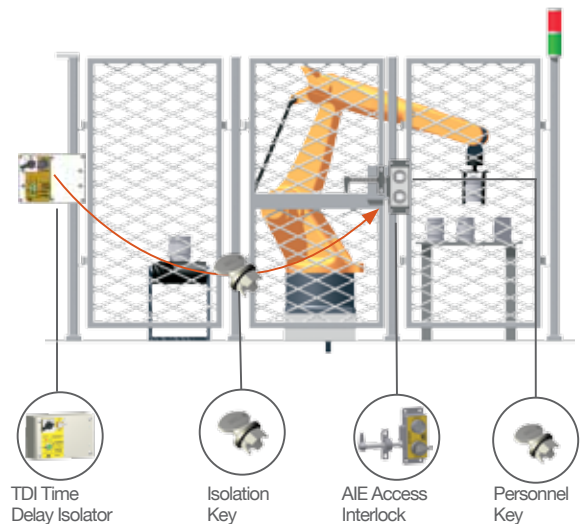
TDI-FSB-F-N/O6-110A

### Application

The TDI is designed to operate as part of an integrated safety system, controlling access to hazardous areas to motor driven, high risk applications, where a certain rundown time is required before access is granted.

When the machine is running, the key of the TDI interlock cannot be removed, preventing access to the hazardous area. To gain access to the machinery, the electrical supply must be switched off by turning the switch unit to OFF position. When the machine stop sequence is initiated, a signal from the machine control circuits starts the internal timer. After a pre-set time (which must exceed the machine run down time), the timer energizes the solenoid illuminating the green LED. By pushing the green button the key can be released from the TDI unit. This key is taken by the personnel to the AIE access interlock.

The machine cannot be restarted until the door is locked closed and the key is returned to the TDI.



### Order Information

	Product Type	1	2	3	4*	5*	6	7	8	9	10
Part Number	TDI										
Example	TDI	FS	B	F	-	-	N/O	6	110	A	TBA

1	Lock portion type	FS <sup>(1)</sup> / Q <sup>(1)</sup>
2	Material	B = Brass / S = Stainless steel
3	Mounting	F = Front of board mount, with enclosure P = Panel mount
4*	Optional: Secondary lock portion(s)	1 / 2 / 3 or more secondary lock portions available
5*	Refers to item 4: Key condition	S = Secondary lock portions, if sequential removal of all keys required E = Secondary lock portions, if exchange key condition required <sup>(1)</sup>
6	Contacts arrangement in normal position	N/O = NO/NC arrangement (contacts closed/open)
7	Contacts number	6, standard
8	Control voltage	110 / 24 / 240, standard
9	Current	VAC / VDC
10	Lock portion symbol: Please advise for each lock separately as for isolation key/lock and personnel key/lock	FS <sup>(1)</sup> up to 3 characters / Q <sup>(1)</sup> up to 6 characters