



8400 & 8600 PURCHASED PART DOCUMENT

PART NUMBER:	8429-70
REVISION:	B
ECN:	4485
CREATED BY:	J Borndahl 05/30/2013
APPROVED BY:	E Sandona 06/26/2013

TITLE: Display-Operating Unit w/TDC Combo Wire

Manufacturer's P/N: AZL23.00A9

Manufacturer: SIEMENS

Alternate Vendor and P/N: Purchase per Quality System Procedure 7.4

Additional Information:

Display / Operating Unit

Note: To be supplied with TDC Combo connecting cable.
(7 Ft cable and crossover adapter for AZL2... display).

- Display of operating states, program phases and fault codes
- Setting of parameters and ratio curves
- 8-digit LCD with bars
- LCD with backlit (support dependent on respective burner control)
- 5 multifunction buttons with reset facility
- Housing designed for flush-panel mounting
- Degree of protection IP54 when mounted
- BCI interface
- Backup / restore function with specific types of burner controls (on request)



Agency Approvals:

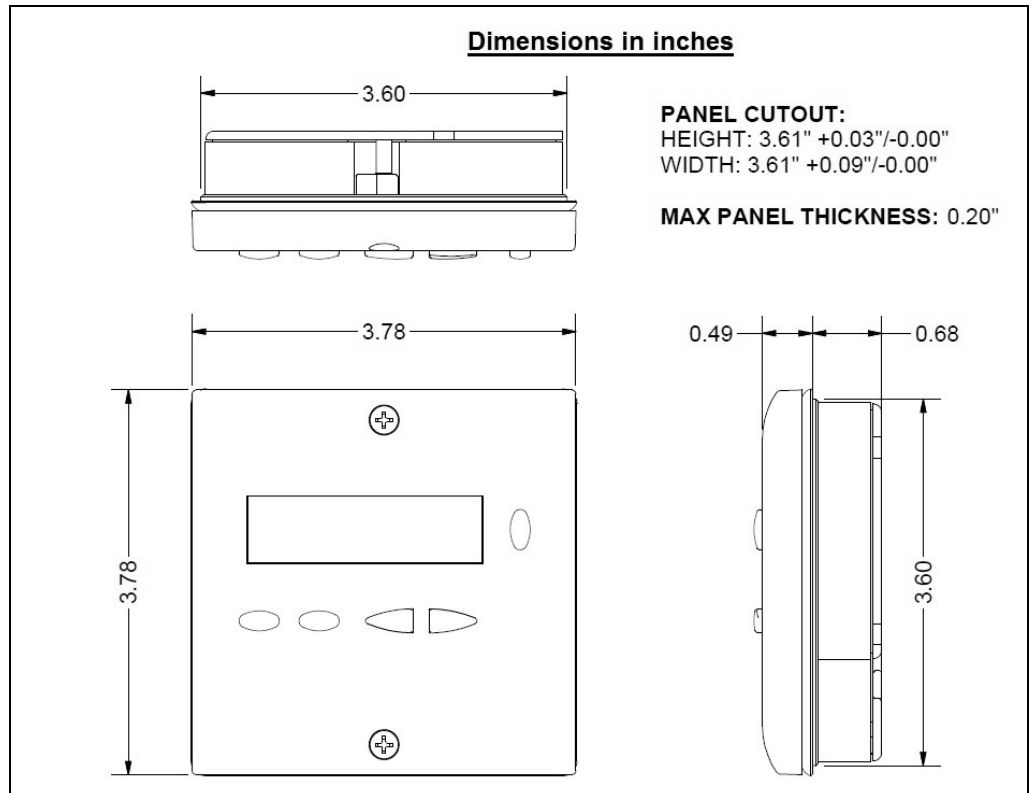
- UL
- CSA
- ETL
- C.E.
- NSF/FDA

Sample Supplied:

- YES NO

CAD Model :

- YES NO

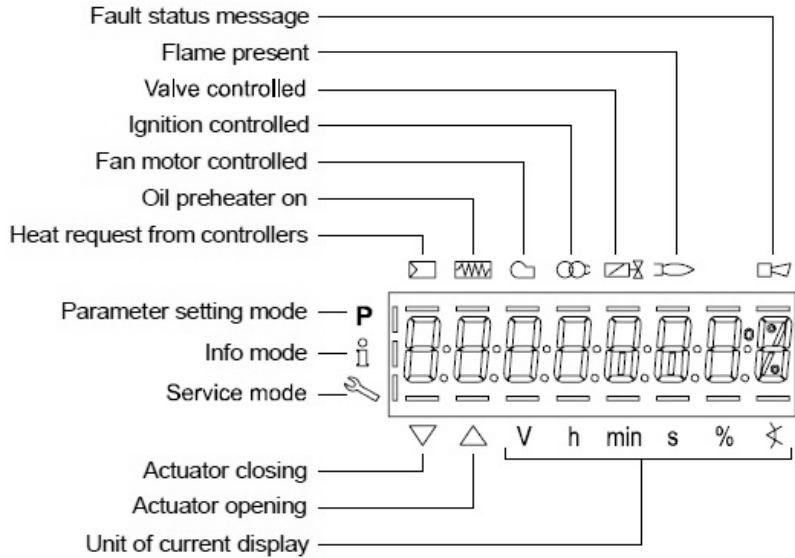
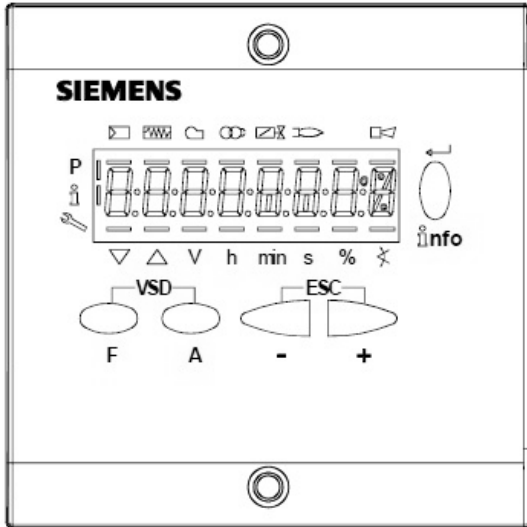





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Button	Function
 F	F button - For driving the fuel actuator to another position (keep depressed and adjust the value by pressing or)
 A	A button - For driving the air actuator to another position (keep depressed and adjust the value pressing or)
 F A	F and A buttons - For changing to parameter setting mode P (press simultaneously and plus or) - For readjusting the speed of the VSD operation (press and with or simultaneously)
 info	Info and Enter button - For navigating in info and service mode * Incrementing the selection (flashing symbol) (press button for <1 s) * Going one menu level down (press button for 1...3 s) * Going one menu level up (press button for 3...8 s) * Changing to operating mode (press button for >8 s) - Enter in parameter setting mode - Reset in the event of fault - One menu level down
 -	- button - For decreasing the value - For navigating during curve adjustments in info and service mode
 +	+ button - For increasing the value - For navigating during curve adjustments in info and service mode
 - +	- and + buttons: Escape function (press and simultaneously) - No adoption of value - One menu level up

	8400 & 8600 PURCHASED PART DOCUMENT	PART NUMBER: 8429-69
		REVISION: D
		ECN: 7591
		CREATED BY: J Borndahl 05/30/2013
TITLE: BURNER CONTROL (LME71) - PROGRAMMED		APPROVED BY: E Sandona 01/24/2019

Manufacturer's P/N: LME71.111A1PKG-PRG10

Manufacturer: SIEMENS

Alternate Vendor and P/N: Purchase per Quality System Procedure 7.4

Additional Information: PARAMETERIZED BURNER CONTROL – PROGRAMMED

- w/ PROGRAM MODULE (PROGRAMMED, SPECIAL)
- w/ CONNECTOR PLUG SET



TYPE

- MAINS VOLTAGE AC 120 V
- GAS PRESSURE SWITCH-MIN/POC
- PRESSURE SWITCH VALVE PROVING
- AIR PRESSURE SWITCH
- IONIZATION PROBE
- QRA2.../QRA4.U/QRA10...
- LOAD CONTROLLER ANALOG INPUT SIGNAL (0...10 V, 4...20 MA, 0...135 °)
- LOAD CONTROLLER INPUT 3-POSITION STEP INPUT/2-STAGE
- ONBOARD LED 7-SEGMENT DISPLAY
- BCI BUS FOR AZL2...

Agency Approvals:

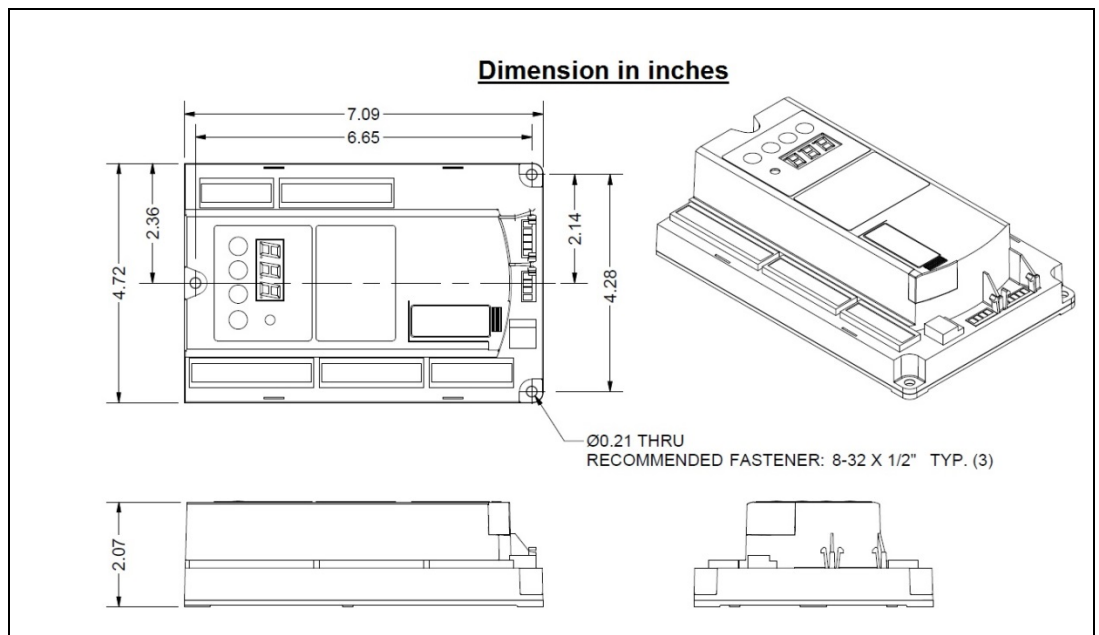
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- ETL
- C.E.
- NSF/FDA


Sample Supplied:

- YES NO

CAD Model :

- YES NO



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*** NOTE: UNLESS OTHERWISE SPECIFIED USE FACTORY SETTING**

Parameter Number	Parameter	Edit	Value range		Resolution	Factory setting	Password level reading from level	Password level writing from level
			Min.	Max.				
200	Burner control							
225	Prepurge time -2.1 seconds	Edit	0 s	1237 s	4.851 s	29.106 s	SO	OEM
230	Interval: End of safety time – fuel valve 1 ON	Edit	3.234 s	74.97 s	0.294 s	3.234 s	SO	OEM
231	Interval: Fuel valve 1 ON – pilot valve OFF	Edit	0 s	74.97 s	0.294 s	9.996 s	SO	OEM
234	Postpurge time	Edit	0 s	1237 s	4.851 s	0 s	SO	OEM
237	POC function 0: Inactive 1: Active (test during startup and shutdown (not safety relevant)) 2: Active (test during startup and shutdown, as well as when switching to operating mode (safety relevant))	Edit	0	2	1	1	SO	SO
239	Intermittent operation after 24 hours of continuous operation 0: OFF 1: ON	Edit	0	1	1	0	SO	OEM
240	Repetition in the event of loss of flame during operation 0: None 1: None 2: 1 x repetition	Edit	0	2	1	2	SO	OEM
247	Continuous pilot (during operation) 0: OFF 1: ON	Edit	0	1	1	1	SO	OEM
254	Reaction time detector fault or air pressure switch fault 0: 1 second 1: 3 seconds	Edit	0	1	1	1	SO	OEM
257	Postignition time -0.3 seconds	Edit	0 s	13.23 s	0.147 s	9.996 s	SO	OEM