Overview

The Model 1275A is a multifunction time of day display, capable of acting as a self contained, pre-settable clock, or as a slave to a master clock system.

Features:

- 1 second per week accuracy in stand-alone mode
- 12- or 24-hour mode
- Internal crystal time base or AC line time base
- Reads SMPTE/EBU or DQS-B6 (optional) time code format

Operation

As a slave display the standard version of the clock reads SMPTE/EBU Time code. The user can program time zone offsets from the incoming code.

NOTE: The version that reads DQS-B6 time code is available as a special order

As a standalone clock it can be programmed to operate in either 12- or 24-hour mode. Two front panel push buttons allow presetting and accurate synchronization to a time source when the clock is operating in standalone mode.

Setting the time in Standalone Mode

To set hours: hold the SET button down for more than 1 second.
Hold the button down until the desired value is achieved.

To set minutes: press and release the SET button.
Each press of the SET button advances one minute.

To set seconds: press and release the START button.
Each press of the START button advances one second.

Rear Panel Removal and Connections

Removing the rear panel permits:

- Connection of the **power cord**
- Connection of a **time code input**
- User selection of four different **operating modes**
- Setting of the **time zone** offset.

NOTE: THE AC VOLTAGE IS FACTORY SET

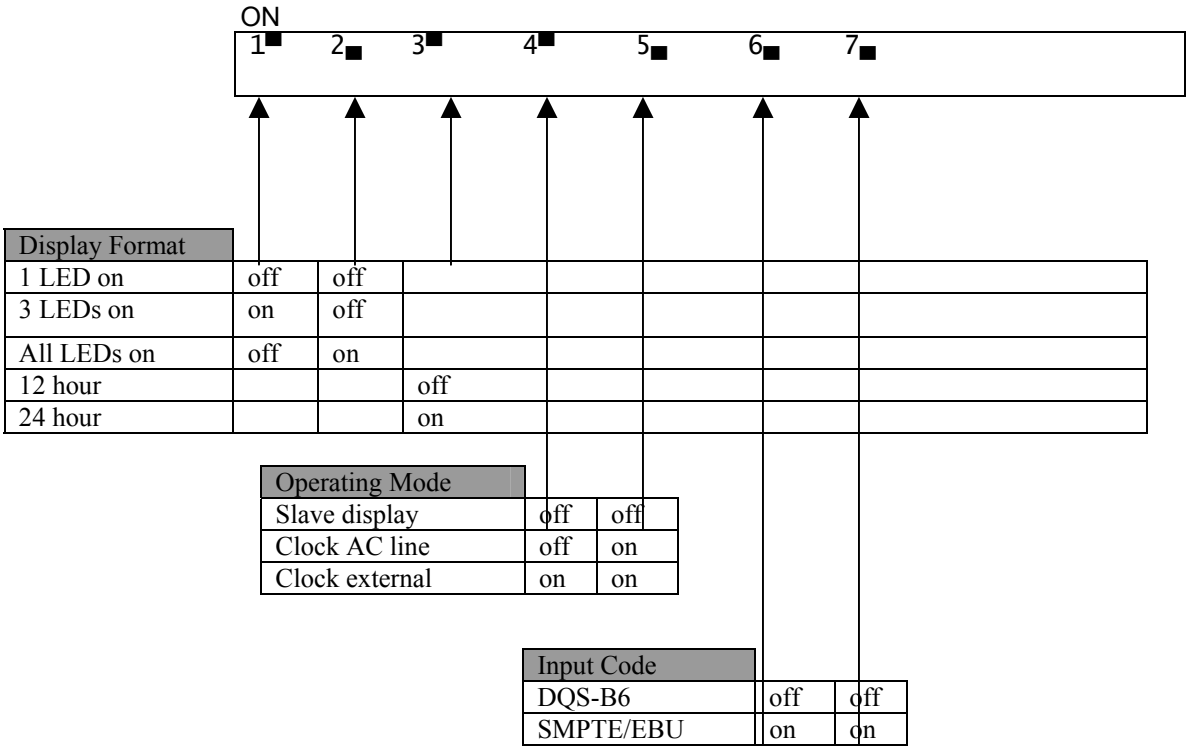
LABEL		CONNECTION
SUPPLY	GND	GROUND WIRE – GREEN
	NEUT	NEUTRAL WIRE – WHITE
	LIVE	LIVE WIRE – BLACK
TIME CODE		DQS-B6 or SMPTE/EBU INPUT
COM		COMMON GROUND

Rear Panel DIP Switch Settings

An eight-position DIP switch is used to select operating modes, and to set the time zone offset.

A label on the rear panel gives an overview of the switch functions.

NOTE: The DIP switch functions of the DQS-B6 version differ from those of the standard unit.



Display Format	1	2	3	4	5	6	7
1 LED on	off	off					
3 LEDs on	on	off					
All LEDs on	off	on					
12 hour			off				
24 hour			on				

Operating Mode	4	5
Slave display	off	off
Clock AC line	off	on
Clock external	on	on

Input Code	6	7
DQS-B6	off	off
SMPTE/EBU	on	on

Internal DIP switch settings

Standard Version DIP Switch Settings

Display Mode

SWITCH NUMBER:			
1	2	3	FUNCTION
OFF			SLAVE MODE
ON			CLOCK, XTAL
	OFF		1 LED ON
	ON		ELAPSED LED's
		OFF	12 HOUR MODE
		ON	24 HOUR MODE

Time Zone

SWITCH NUMBER:					
4	5	6	7	8	TIMEZONE
OFF	OFF	OFF	OFF	OFF	0 Hour
ON	OFF	OFF	OFF	OFF	+1 Hour
OFF	ON	OFF	OFF	OFF	+2 Hours
ON	ON	OFF	OFF	OFF	+3 Hours
OFF	OFF	ON	OFF	OFF	+4 Hours
ON	OFF	ON	OFF	OFF	+5 Hours
OFF	ON	ON	OFF	OFF	+6 Hours
ON	ON	ON	OFF	OFF	+7 Hours
OFF	OFF	OFF	ON	OFF	+ 8 Hours
ON	OFF	OFF	ON	OFF	+9 Hours
OFF	ON	OFF	ON	OFF	+10 Hours
ON	ON	OFF	ON	OFF	+11 Hours
OFF	OFF	ON	ON	OFF	+12 Hours
ON	OFF	ON	ON	OFF	+13 (-11) Hours
OFF	ON	ON	ON	OFF	+14 (-10) Hours
ON	ON	ON	ON	OFF	+15 (-9) Hours
OFF	OFF	OFF	OFF	ON	+16 (-8) Hours
ON	OFF	OFF	OFF	ON	+17 (-7) Hours
OFF	ON	OFF	OFF	ON	+18 (-6) Hours
ON	ON	OFF	OFF	ON	+19 (-5) Hours
OFF	OFF	ON	OFF	ON	+20 (-4) Hours
ON	OFF	ON	OFF	ON	+21 (-3) Hours
OFF	ON	ON	OFF	ON	+22 (-2) Hours
ON	ON	ON	OFF	ON	+23 (-1) Hour

DQS-B6 Version DIP Switch Settings

Display Mode

SWITCH NUMBER:			
1	2	3	FUNCTION
OFF	OFF	---	1 LED ON
ON	OFF	---	3 LED's ON
OFF	ON	---	ALL LED's ON
---	---	OFF	12 HOUR MODE
---	---	ON	24 HOUR MODE

Operating Mode

SWITCH NUMBER:		
4	5	FUNCTION
OFF	OFF	SLAVE MODE
OFF	ON	AC LINE TIME BASE
ON	ON	INTERNAL TIME BASE

Input Code Format

SWITCH NUMBER		
6	7	FUNCTION
OFF	OFF	DQS-B6 CODE
ON	ON	SMPTE / EBU CODE

Specifications

Electrical

Power:

1275A-110: 115V 60Hz 15 VA
1275A-220: (220V 50Hz optional)

Code input:

Standard: SMPTE/EBU Time code
20 kΩ balanced/unbalanced

Optional: DQS-B6 or SMPTE/EBU Time code
20 kΩ balanced/unbalanced

Accuracy: Approximately 1 sec per week
In STAND-ALONE mode on internal X-tal oscillator.

Time Zone: +/- 12 hours in 1 hour increments
Offset from SMPTE/EBU code input on standard version..

Mechanical

Dimensions: 9.6” W x 9.6” H x 2.125” D
(244mmW x 244mmH x 54mmD)

Weight: 4.4lb

Access: 1” (25mm) diameter hole in rear panel to accommodate electrical conduit.

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