

47xxN Series Time Zone Display units are designed to meet the requirements of the most demanding, prestigious and reliability critical applications in dealing rooms, command, control and communications facilities, conference and receptions areas.

Clock orientation/ Type	Location legends	Number of zones	Display/Digits Height	Display Colour	Case Style	Case Colour
4700 4720	N (vinyl) NIL30 (30mm Programmable Illuminated locations) NIL50 (50mm Programmable Illuminated locations)	/ 1-8* *Units with cases more than 2200mm - 87" long are supplied in two or more sections.	.05 = 50mm	R = Red G = Green Y = Yellow B = Blue* *limited to certain display types	refer to "Case types and finishes"	Black Silver RALxxxx

4700N/x.05



4700NIL50/x.05

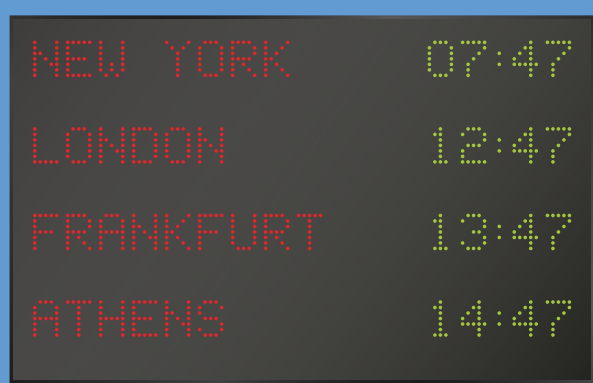


4700NIL30/x.05

4720N/x.05



4720NIL50/x.05

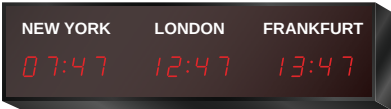


4720NIL30/x.05

47xxN Time Zone Displays

Clock orientation/ Type	Location legends	Number of zones	Display/Digits Height	Display Colour	Case Style	Case Colour
4740	N (vinyl) NIL30 (30mm Programmable Illuminated locations) NIL50 (50mm Programmable Illuminated locations)	/ 1-8* *Units with cases more than 2200mm - 87" long are supplied in two or more sections.	.025 = 25mm .05 = 50mm .057 = 57mm .100 = 100mm	R = Red G = Green Y = Yellow B = Blue* W = White* *limited to certain display types	refer to "Case types and finishes"	Black Silver RALxxxx

4740N/x.025



4740N/x.05



4740NIL30/x.05



4740NIL50/x.05



4740N/x.057



4740NIL30/x.057



4740NIL50/x.057



4740N/x.100



4740NIL50/x.100

Clock orientation/ Type	Location legends	Number of zones	Display/Digits Height	Display Colour	Case Style	Case Colour
4740 4790	N (vinyl) NIL30 (30mm Programmable Illuminated locations) NIL50 (50mm Programmable Illuminated locations)	1-8* *Units with cases more than 2200mm - 87" long are supplied in two or more sections.	.05 = 50mm .12 = 120mm* *4740N models only	R = Red G = Green Y = Yellow* B = Blue* *limited to certain display types	refer to "Case types and finishes"	Black Silver RALxxxx

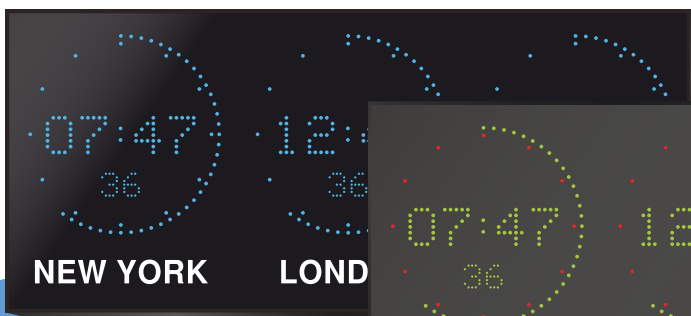
4740N/x.12



4740NIL50/x.12



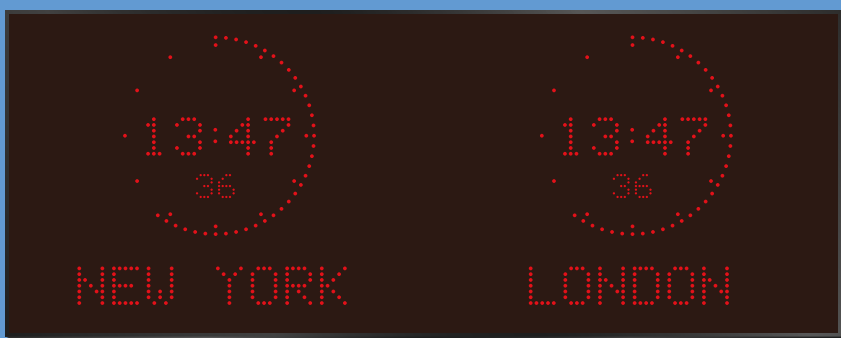
4790N/x.05



4790NIL30/x.05



4790NIL50/x.05



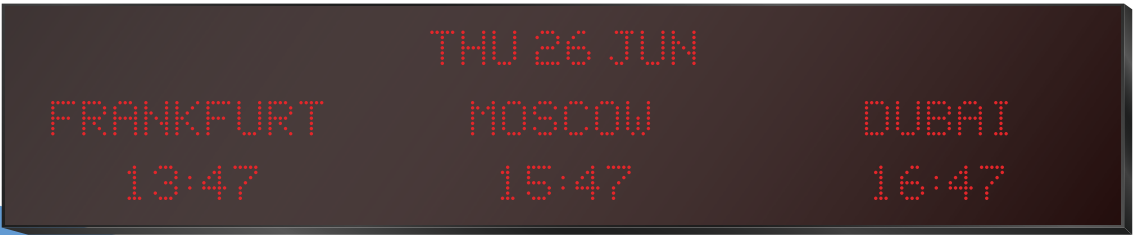
47xxN Time Zone Displays

Clock orientation/ Type	Location legends	Number of zones	Display/Digits Height	Display Colour	Case Style	Case Colour
4750 4760	N (vinyl) NIL30 (30mm Programmable Illuminated locations) NIL50 (50mm Programmable Illuminated locations)	1-8* *Units with cases more than 2200mm - 87" long are supplied in two or more sections.	.05 = 50mm	R = Red G = Green Y = Yellow B = Blue* *limited to certain display types	refer to "Case types and finishes"	Black Silver RALxxxx

4750N/x.05



4750NIL30/x.05



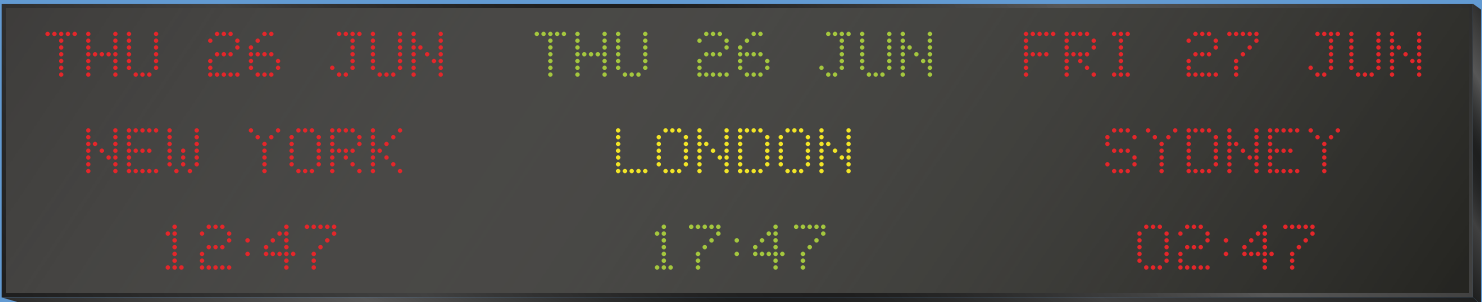
4750NIL50/x.05

4760N/x.05



4761NIL30/x.05

4760NIL50/x.05



Case Types

47xxN Series Time Zone Display units are manufactured to customer's individual specification with choice of location names and character style.

Cases are finished in high quality brushed black/silver anodising or may be painted and, at a small additional cost, to any required standard RAL or BS colour.

47xxN Series Time Zone Display units can be supplied with any of the following case types:

- **.S** - for surface mounting.
- **.FP** - with a flush fitting case suitable for mounting in a control panel or other panel with rear access.
- **.FB** - with a flush fitting case and mounting box for mounting in a solid wall.
- **.SS** or **.DS** - single or double sided unit with support tubes for ceiling suspension.

Stand-alone or Synchronised System Operation

47xxN Series Time Zone Displays may be used as stand-alone units with their timekeeping derived from a high quality internal quartz crystal oscillator. Each time zone is pre-programmed for automatic seasonal time changes.

In small systems one time zone display can be used as a master unit and will automatically control up to five units using a simple single cable pair interconnection.

In larger systems, or where centralised control is required, the 47xxN Series comes with a RJ45 Ethernet Port that allows the unit to be connected to a network and synchronise to a time server.

47xxN Series Time Zone Display units can also be synchronised to GPS satellite time signals and other sources when used with a suitable receiver system - please refer to the appropriate data sheet for further information.

Remote control Handset

The RC100 infrared handset is sent with each unit and allows the user to remotely configure the time zone display and adjust the settings.

Simple Installation

All 47xxN Series Time Zone units are supplied pre-configured for easy installation and only require mechanical fixing and connection to a suitable 100-250V 50/60Hz mains supply using the cable provided.

Environment

Power supply: 100/250V 50/60Hz ac as standard
An internal battery maintains timekeeping in the event of a mains power failure.

Power Consumption:	<0.4A @ 230V ac
Operation Temperature:	0-50°C
Altitude:	0 to 3,000m
Relative Humidity:	0% to 95% (non-condensing)
MTBF:	>50,000hours
Accuracy:	
Stand-alone operation:	0.1sec/day @ 20-25°C
Locked to GPS:	within 20ms of UTC
Locked to NTP:	within 1-10ms of NTP source
(dependant on network delay & jitter)	

Electromagnetic Compatibility & Safety

47xxN Series Time Zone Displays, when used in accordance with our recommendations, comply with the European Community Electromagnetic Compatibility Directive 89/336/EEC and Low Voltage Directive 73/23/EEC and conform to the following standards:

- **EN 50081-1** 55022 Class B
- **EN 50082-1** IEC 801-2 level 3
IEC 801-3 level 3
IEC 801-4 level 3
- **EN 60950**

Please contact us for information on our CSA approved and UL recognised models.

Clock orientation/ Type	Location legends	Number of zones	Display/Digits Height	Display Colour	Case Style	Case Colour
4700	N (vinyl)	/	1-8*			
4720	NIL30					
4740	(30mm Programmable Illuminated locations)	*Units with cases more than 2200mm - 87" long are supplied in two or more sections.	.025 = 25mm	R = Red	refer to	Black
4750	NIL50		.05 = 50mm	G = Green	"Case types	Silver
4760	(50mm Programmable Illuminated locations)		.057 = 57mm	Y = Yellow	and finishes"	Ral x
4790			.100 = 100mm	B = Blue*		
			.12 = 120mm	W = White*		
				*limited to certain display types		

Wharton Electronics

Unit 15, Thame Park Business Centre
Wenman Road
Thame, Oxfordshire
England, OX9 3XA

Telephone: +44 (0) 1844 260567
Fax: +44 (0) 1844 218855
Email: info@wharton.co.uk
www: www.wharton.co.uk