

TECHNICAL SPECIFICATION

LED MESSAGE DISPLAYS

HOW TO ORDER:

Specify the part number along with the choice of colour
e.g. TFI-16x128-50 Tricolour

WHAT YOU GET:

- LED Display(s)
- 1.8M power lead
- Software control CD
- Full manual on CD
- Mounting brackets
- Printed mounting and operating instructions
- Quick start guides
- Infra red remote control and instructions (TFI-7 and 16 series only)
- 6m serial cable
- 6m cat 5 patch lead

LED COLOUR OPTIONS

Indoor and outdoor LED Message Displays have different LED colour options. Please refer to the table below when choosing your sign in the technical specification tables.

	Single	Tri-Colour
Outdoor Series	Choice of either; Red, Green, Amber or White	N/A
Indoor Series	Choice of either; Red, Green, Amber or Blue	Red, Green and Amber

ALTERNATIVE SIZES

If you cannot find the size you require, alternative bespoke sizes are available. Please contact the team on **01737 774747** or email sales@messagemaker.co.uk.

OUTDOOR SERIES

SINGLE LINE

Displays 50mm text, legible from up to 25 metres away using a standard 7 pixel high font

PART NUMBER	VIEWING DISTANCE	LED COLOURS	CHARACTER HEIGHT (mm)	TEXT SHOWN (characters)	DISPLAY SIZE W x H (mm)	SIZE WxHxD (mm)	POWER	WEIGHT (kg)	INTERFACE	
TFO-7 x 40-7.62	30m	Single	53	1 line of 6	305 x 53	395 x 124 x 80	230V AC (50/60 Hz)	2.4 kg	RS485, RS232, Ethernet	
TFO-7 x 80-7.62				1 line of 13	610 x 53	700 x 124 x 80		3.2 kg		
TFO-7 x 120-7.62				1 line of 20	915 x 53	1040 x 124 x 80		4.7 kg		
TFO-8 x 48-14	50m - 70m	Red	98 or 112	1 line of 26	672 x 112	750 x 154 x 80		4 kg		
TFO-8 x 80-14				1 line of 13	1120 x 112	1119 x 154 x 85		6.1 kg		
TFO-8 x 96-14				1 line of 16	1344 x 112	1420 x 154 x 85		7.1 kg		
TFO-8 x 48-20	80m - 100m	Single	140 or 160	1 line of 8	960 x 160	1013 x 204 x 85		7.5 kg		

BI-LINE

Displays one line of 120mm high text, or 2 lines of 50mm high text, legible from over 50 metres away.

PART NUMBER	VIEWING DISTANCE	LED COLOURS	CHARACTER HEIGHT (mm)	TEXT SHOWN (characters)	DISPLAY SIZE W x H (mm)	SIZE WxHxD (mm)	POWER	WEIGHT (kg)	INTERFACE
TFO-16 x 48-7.62	30m - 70m	Single	53 or 114	1 line of 4 or 2 of 6	366 x 122	448 x 152 x 85	230V AC (50/60 Hz)	2.6 kg	RS485, RS232, Ethernet
TFO-16 x 96-7.62		White		1 line of 9 or 2 of 16	732 x 122	840 x 152 x 85		4.7 kg	
TFO-16 x 128-7.62		White		1 line of 12 or 2 of 21	976 x 122	1050 x 152 x 85		5.8 kg	
TFO-16 x 128-10	35m - 90m	Amber, White or Full Colour	70 or 150	1 line of 12 or 2 of 21	1280 x 160	1358 x 204 x 85		8.9 kg	
TFO-16 x 160-10				1 line of 16 or 2 of 26	1600 x 160	1654 x 204 x 85		11.4 kg	

INDOOR SERIES

SINGLE LINE

Displays 50mm text, legible from up to 25 metres away using a standard 7 pixel high font

PART NUMBER	LED COLOURS	TEXT SHOWN (LETTERS)	DISPLAY SIZE W x H (mm)	SIZE WxHxD (mm)	POWER	WEIGHT (kg)	MOUNT OPTIONS	INTERFACE
Standard brightness for indoor use							Brackets each end plus hanging points to top edge	RS485, RS232, Ethernet
TFI-7 x 40-50	Single or Tri-Colour	6	305 x 53	355 x 102 x 50	230V AC (50/60Hz)	1 kg		
TFI-7 x 80-50	Single	13	610 x 53	660 x 102 x 50		1.7 kg		
TFI-7 x 120-50	Single	20	915 x 53	965 x 102 x 50		2.6 kg		
TFI-7 x 160-50	Single or Tri-Colour	26	1220 x 53	1270 x 102 x 50		3.4 kg		
High brightness LED's ideal for window application							Brackets each end plus hanging points to top edge	RS485, RS232, Ethernet
TFS-7 x 80-50	Single	13	610 x 53	660 x 102 x 50	230V AC (50/60Hz)	1.7 kg		
TFS-7 x 120-50	Single	20	915 x 53	965 x 102 x 50		2.6 kg		
TFS-7 x 160-50	Single or Tri-Colour	26	1220 x 53	1270 x 102 x 50		3.4 kg		

BI-LINE

Displays one line of 120mm high text, or 2 lines of 50mm high text, legible from over 50 metres away.

PART NUMBER	LED COLOURS	TEXT SHOWN (LETTERS)	DISPLAY SIZE W x H (mm)	SIZE WxHxD (mm)	MAX/TYPICAL POWER WATT	WEIGHT (kg)	MOUNT OPTIONS	INTERFACE
Standard brightness for indoor use							Hanging brackets at each end to allow for multiple hanging angles	RS485, RS232, Ethernet
TFI-16 x 64-50	Single or Tri-Colour	1 line of 6 or 2 of 11	488 x 122	548 x 157 x 80	230V AC (50/60Hz)	2.1 kg		
TFI-16 x 96-50	Single or Tri-Colour	1 line of 10 or 2 of 16	732 x 122	792 x 157 x 80		2.9 kg		
TFI-16 x 128-50	Single or Tri-Colour	1 line of 13 or 2 of 21	976 x 122	1045 x 157 x 80		4.8 kg		
TFI-16 x 144-50	Single or Tri-Colour	1 line of 14 or 2 of 24	1098 x 122	1158 x 157 x 80		5.3 kg		
TFI-16 x 160-50	Single	1 line of 18 or 2 of 26	1220 x 122	1280 x 157 x 80		6.1 kg		
TFI-16 x 192-50	Single or Tri-Colour	1 line of 21 or 2 of 32	1464 x 122	1520 x 157 x 80		6.3 kg		
TFI-16 x 256-50	Single or Tri-Colour	1 line of 26 or 2 of 42	1952 x 122	2012 x 157 x 80		9.2kg		
High brightness LED's ideal for window application							Hanging brackets at each end to allow for multiple hanging angles	RS485, RS232, Ethernet
TFS-16 x 128-50	Single or Tri-Colour	1 line of 14 or 2 of 21	976 x 122	1035 x 157 x 80	230V AC (50/60Hz)	4.5 kg		
TFS-16 x 160-50	Single	1 line of 18 or 2 of 26	1220 x 122	1280 x 157 x 80		6.3 kg		

Note: TFI-16 series signs have a rear mounted power supply that projects a further 30mm positioned in the centre rear of the display

MULTI-LINE

Displays 1,2,3 or 4 lines of text on a full matrix screen

PART NUMBER	LED COLOURS	TEXT SHOWN (CHARACTERS)	DISPLAY SIZE W x H (mm)	SIZE ** WxHxD (mm)	MAX/ POWER USE (WATT)	WEIGHT (KG)	MOUNT OPTIONS	INTERFACE
Standard brightness for indoor use							Hanging brackets at each end to allow for multiple hanging angles	RS485, RS232, Ethernet
TFI-32 x 64-50	Single	2 lines of 6 or 4 of 10	488 x 244	559 x 294 x 120	230V AC (50/60Hz)	5.7 kg		
TFI-32 x 96-50	Single	2 lines of 10 or 4 of 16	732 x 244	792 x 294 x 120		7.7 kg		
TFI-32 x 128-50	Single or Tri-Colour	2 lines of 13 or 4 of 21	976 x 244	1045 x 294 x 120		10.8 kg		
TFI-48 x 128-50	Single or Tri-Colour	3 lines of 13 or 6 of 21	976 x 366	1080 x 470 x 120		20.1 kg		
High brightness LED's ideal for window application							Hanging brackets at each end to allow for multiple hanging angles	RS485, RS232, Ethernet
TFS-32 x 64-50	Single or Tri-Colour	2 lines of 13 or 4 of 21	976 x 244	1045 x 294 x 120	230V AC (50/60Hz)	10.8 kg		
TFS-32 x 96-50	Single or Tri-Colour	3 lines of 13 or 6 of 21	976 x 366	1080 x 470 x 120		20.1 kg		

Note: TFI-16 series signs have a rear mounted power supply that projects a further 30mm positioned in the centre rear of the display