

# Series 3800

## Technical Specifications

### Standard Features

- Patented 3-wire technology.
- Easy maintenance, minimum screwdriver skills required.
- 5 communication options available.
- Automatic cabinet ventilation.
- 100° viewing angle, for maximum view time.
- Energy efficient.
- Windows compatible software.
- 2 Year Warranty.
- 2" x 2" mounting bracket attached to rear of cabinet for easy installation.
- Text, graphics, basic animation, multiple fonts and sizes.

Pixel Center (Pitch)	1.5 inches—(38.1 mm)
Character Height	5"- 13cm, 7"-18cm, 8"-20cm, 9"-23cm, 10"-25cm, 11"- 28cm, 15"- 38cm, 16"-40cm, 19"-48cm, 24"-61cm, 32"- 81cm, 40"-101cm Characters
Available Colors	Red or Amber
LEDs/ Pixel	3/Pixel, 5/8 inch (15 mm)
LED Lifespan	100,000 hrs.
LED Pixel Brightness	3600+ mcd (Milli-candelas)
Effective Viewing Angle *	100°
Temperature Accuracy	+/- 1°F, includes temperature sensor
Enclosure	Weather Proof Aluminum
Sign Face	Polycarbonate Protection
Connectivity	Telephone modems, 485/422 wired connection, TCP/IP network port, wireless transmitter, or lightning proof fiber optic lines.
Auto-Dim	Time controlled, 200 levels of dimming capability.
Viewing Distance- Based on Legibility Index of a 1 in Character being viewable at 50 ft. Character Height"-View Range	5"- 250 ft. / 12.7cm-76M 8"- 400 ft./ 20.3cm-122M 16"- 800 ft./ 40.6cm-244M 24"- 1200 ft./ 61cm-366M 32"- 1600 ft./81.2cm-488M 40"- 2000 ft./102cm-610M



Model Number- **3801-8x72-DF-R**  
8x72 Matrix, 1 Line of 12" Characters.



Model Number- **3801-16x72-DF-R**  
16x72 Matrix, 2 Lines of 10.5" Characters.

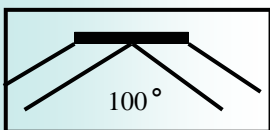


Model Number- **3801-24x72-DF-R**  
24x72 Matrix, 3 Lines of 10.5" Characters.



Model Number- **3801-32x72-DF-R**  
32x72 Matrix, 4 Lines of 10.5" Characters.

### \*Effective View Angle



## Most Popular Size of this Series **3801-16x72-DF-R**



2 Lines of 10 Characters 10.5" inches tall, or 1 line of 7 Characters 24" inches tall

Displays text as well as Time and Temperature

Ultra bright and viewable up to 1000 ft.

Uses only 300 watts of power



# Series 3800

Model	Cabinet	Matrix	Character Height	#Characters	Typical Power
3801-8x64-DF-R	1'5"H x 8'5"L x 9"D	8 x 64	12"	Up to 8	160 Watts
3801-8x72-DF-R	1'5"H x 9'5"L x 9"D	8 x 72	12"	Up to 12	180 Watts
3801-8x80-DF-R	1'5"H x 10'5"L x 9"D	8 x 80	12"	Up to 14	200 Watts
3801-8x80-DF-R	1'5"H x 11'5"L x 9"D	8 x 88	12"	Up to 15	220 Watts
3801-8x96-DF-R	1'5"H x 12'5"L x 9"D	8 x 96	12"	Up to 16	240 Watts
*Sizes Available up to a 8 x 240 Matrix					
3801-16x64-DF-R	2'5"H x 8'5"L x 9"D	16 x 64	24", 10.5"	Up to 8	320 Watts
3801-16x72-DF-R	2'5"H x 9'5"L x 9"D	16 x 72	24", 10.5"	Up to 12	360 Watts
3801-16x80-DF-R	2'5"H x 10'5"L x 9"D	16 x 80	24", 10.5"	Up to 14	400 Watts
3801-16x88-DF-R	2'5"H x 11'5"L x 9"D	16 x 88	24", 10.5"	Up to 15	440 Watts
3801-16x96-DF-R	2'5"H x 12'5"L x 9"D	16 x 96	24", 10.5"	Up to 16	480 Watts
*Sizes Available up to a 16 x 240 Matrix					
3801-24x64-DF-R	3'5"H x 8'5"L x 9"D	24 x 64	36", 16.5", 10.5", 7.5"	Up to 10	480 Watts
3801-24x72-DF-R	3'5"H x 9'5"L x 9"D	24 x 72	36", 16.5", 10.5", 7.5"	Up to 12	540 Watts
3801-24x80-DF-R	3'5"H x 10'5"L x 9"D	24 x 80	36", 16.5", 10.5", 7.5"	Up to 13	600 Watts
3801-24x88-DF-R	3'5"H x 11'5"L x 9"D	24 x 88	36", 16.5", 10.5", 7.5"	Up to 14	660 Watts
3801-24x96-DF-R	3'5"H x 12'5"L x 9"D	24 x 96	36", 16.5", 10.5", 7.5"	Up to 16	720 Watts
*Sizes Available up to a 24 x 240 Matrix					
3801-32x64-DF-R	4'5"H x 8'5"L x 9"D	32 x 64	48", 22.5", 15", 10.5", 7.5"	Up to 8	640 Watts
3801-32x72-DF-R	4'5"H x 9'5"L x 9"D	32 x 72	48", 22.5", 15", 10.5", 7.5"	Up to 12	720 Watts
3801-32x80-DF-R	4'5"H x 10'5"L x 9"D	32 x 80	48", 22.5", 15", 10.5", 7.5"	Up to 14	800 Watts
3801-32x88-DF-R	4'5"H x 11'5"L x 9"D	32 x 88	48", 22.5", 15", 10.5", 7.5"	Up to 15	880 Watts
3801-32x96-DF-R	4'5"H x 12'5"L x 9"D	32 x 96	48", 22.5", 15", 10.5", 7.5"	Up to 16	960 Watts
*Sizes Available up to a 32 x 240 Matrix					
3801-40x64-DF-R	5'5"H x 8'5"L x 9"D	40 x 64	60", 28.5", 16.5", 13.5", 10.5", 7.5"	Up to 8	800 Watts
3801-40x72-DF-R	5'5"H x 9'5"L x 9"D	40 x 72	60", 28.5", 16.5", 13.5", 10.5", 7.5"	Up to 12	900 Watts
3801-40x80-DF-R	5'5"H x 10'5"L x 9"D	40 x 80	60", 28.5", 16.5", 13.5", 10.5", 7.5"	Up to 14	1,000 Watts
3801-40x88-DF-R	5'5"H x 11'5"L x 9"D	40 x 88	60", 28.5", 16.5", 13.5", 10.5", 7.5"	Up to 15	1,100 Watts
3801-40x96-DF-R	5'5"H x 12'5"L x 9"D	40 x 96	60", 28.5", 16.5", 13.5", 10.5", 7.5"	Up to 16	1,200 Watts
*Sizes Available up to a 40 x 240 Matrix					

