

## SAFRAN

## SERIES 90E FEATURES

The Series 90 Tellite units are miniature, two-lamp lighted ush-button switches and/or word indicator lights with capacity for up to three lines of legend in a compact area hey feature flush-to-the-panel mounting and rectangular lens tandard lamps. The lamps and/or lens assembly may be installed or removed from the panel front without the use of any tools.

Units are available from 2PDT in some versions to 4PDT, in either momentary or alternate switch action. Holding coil units are also available for electrical interlock.

## UNIQUE MOUNTING HAS NO LOOSE HARDWARE

The mounting is designed as an integral part of the main housing and consists of specia mounting sleeves located in opposite corners. Removing the front-end assembly give access to the screw heads which cam the mounting sleeves in position to contact th rear of the panel. Hard mounting is attained, yet no screw heads show from the pane contained within the outline dimensions of the unit's front face.

UNLIMITED MOUNTING ARRANGEMENTS

VERTICAL
MATRIX the




STACKS

NO TOOLS REQUIRED FOR LAMP REPLACEMENT
Lamp replacement is accomplished from the panel front without the use of any tools. The light capsule, which holds the lamps and front lens, is held to the unit housing by spring clips which allow it to be removed for quick and easy lamp replacement


REMOVABLE LENS ASSEMBLY
Once the light capsule has been disengaged from the housing, the lens assembly is readily removed. This permits easy changing of display arrangement, color up, which frees the lens, diffuser, and color filter,

## VERSATILE DISPLAY ARRANGEMENT

Word indication may be presented on a full, horizontally, or vertically split display screen. The full display onecolor has the added feature of two-lamp reliability. The horizontal or vertical split is made possible by the unique design of the light capsule wherein one lamp illuminates each half of the display, thus providing two dications in the same unit. Colored display is achieved through the use of color filters. Color coded indication - two eparate colors illuminating the full display screen - is available. A process in which SAFRAN Electronics \& Defense pioneered is that of engraving on the reverse side of the lens. This avoids the usual problem of legends being effaced hrough normal wear

## SERIES 90H

The Series 90 H Tellite Switch is the military version of the Series 90E, and it meets the requirements of MIL PRF-22885/58. The package size, mounting method and wire terminations are the same as the Series 90E The following is a cross reference of the Mil-Spec subsequent pages for further definition of part number designations.

| MIL-SPEC Part No. | SAFRAN Part No. |
| :---: | :---: |
| M22885/58-01 (X) | 90HA1C2J1 ( ) L1N1 |
| M22885/58-02 (XX) | $90 \mathrm{HA1C2J2}$ ( ) L2N1 |
| M22885/58-03 (XX) | $90 \mathrm{HA1C2J3}$ ( ) L3N1 |
| M22885/58-04 (X) | 90HA1C3J1 ( ) L1N1 |
| M22885/58-05 (XX) | $90 \mathrm{HA1C3J2} 2$ ) L2N1 |
| M22885/58-06 (XX) | 90HA1C3J3 ( ) L3N1 |
| M22885/58-07 (X) | $90 \mathrm{HA1C4J1}()$ ) L1N1 |
| M22885/58-08 (XX) | $90 \mathrm{HA1C4J2}$ ( ) L2N1 |
| M22885/58-09 (XX) | $90 \mathrm{HA1C4J3}$ ( ) L3N1 |
| M22885/58-10 (X) | $90 \mathrm{HA1C5J1}()$ ) L1N1 |
| M22885/58-11 (XX) | $90 \mathrm{HA1C5J2} 2$ ) L2N1 |
| M22885/58-12 (XX) | $90 \mathrm{HA1C5J3}() \mathrm{L} 3 \mathrm{~N} 1$ |

## SERIES 90E ORDERING INFORMATION

## 90EA1C2F3J2(AB)L2N1R16 ON/OFF

| SERIES | BASIC UNITS | LAMPS | COLOR FILTERS | DISPLAY SCREEN | FRONT LENS AND <br> ENGRAVING |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $90 E$ | AIC2 | F3 | J2(AB) | L2 | NIR16 ON/OFF |
| TELLITE <br> SWITCH | HOUSING AND <br> LIGHT CAPSULE <br> 2 PTD MOM. ACTION | 2EA. <br> 28 VOLT <br> LAMPS | 1EA. AMBER <br> 1 1EA. BLUE | HORIZONTAL <br> SPLIT |  |

## CODED CALL-OUT PROVIDES EASY ORDERING

The completed unit, including the engraved inscription, may be ordered by a single coded call-out. This system eliminates the need for individually ordering each item equired for a completed unit, which in turn would ecessitace the customernaving to asser eliminates the customer's need for in-house engraving equipment or additional sub-contracting.

## CODED CALL-OUT SYSTEM

Each item required for a completed unit is assigne code number. By selecting the code number call out for each item required and then placing these in alphabetical sequence following the series number《90E» a completed unit call-out is derived

## ELIMINATION OF ITEMS

Where one or more items comprising a completed unit are not required, omit the call-out for that item.

## ORDERING SEPARATE ITEMS

Where separate items are required, precede an item's call-out with the basic «90E» to obtain the correct orde number for that item. Lamps, when ordered separately are always considered 1 each rather than the 2 .

BASIC UNITS CODE NUMBERS

|  |  | HoLDING COIL UNIT |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CHARACTERISTICS | UNIT | 6 Volt | 12 Volt | 28 Volt | 48 Volt |
| 2PDT Momentary | A1C2 | A3C2 | A4C2 | A2C2 | A5C2 |
| 4PDT Momentary | A1C3 | ${ }^{\text {A3C3 }}$ | A4C3 | ${ }^{\text {A2C3 }}$ | ${ }^{\text {A5C3 }}$ |
| 2PDT Alternate | AIC4 | ------ | ----- | ----- |  |
| 4PDT Alternate | A1C5 | ----- | ------ | ------ |  |

## LAMP CODE NUMBERS

| 6 volt | 12 volt | 28 Volt | 28 Volt <br> Long Life | 115 Volt <br> Neon W/ <br> Resistor | 115 Volt <br> Reosin <br> Resistor |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F1 | F2 | F3 | F14 | F4 | F10 |

## COLOR FILTER CODE NUMBER

To order a color filter for a specific display arrangement se the code numbers shown for that display, followed borizontal split, the first color code denotes the top half of the display; the second color denotes the bottom half. In a vertical split, the first color code denotes the color for the left half of the display; the second colo code denotes the color for the right half. For the 2-colo ull display, the first color code denotes the color to be used with the left lamp; the second color code denotes front front


DISPLAY SCREEN CODE NUMBER
The code number includes the holder and dividers, where applicable. Full displays or horizontally or vertically split displays are available. The coded par number, «L1» etc., also includes the holder for the len assembly.


NON-ENGRAVED LENS
When a non-engraved lens is required, the cod umber «N1" is used eliminating the remaining part of the engraved lens call-out.

## separate engraved Lenses

Where separate engraved lenses are required, preced he front lens and engraving code number call-out with the basic «90E».

ENGRAVING SPECIFICATIONS
Engraving of the 90E Series lens produces letters 0.110 inch in height, with a 0.017 inch stroke. Letters are filled with special black filler.

FRONT LENS AND ENGRAVING CODE NUMBER
The front lens with required engraving is ordered隹 configuration number as selected below. After this, the actual wording is added, using commas between rows of wording and a straight vertical line between splits.


## SERIES 90K FEATURES

LAMP LOCATION AND LAMP TERMINAL IDENTIFICATION


SWITCH TERMINAL IDENTIFICATION
NOTES:

1. On 2 PDT switches, switch terminals are furnished in center only.
2. Terminals will accept two No. 20 AWG wire leads.
3. Electrical ratings: 3 amps resistive, $11 / 2 \mathrm{amps}$ inductive, 1 amp lamp load
4. Holding coil power requirement: Maximum 3 watts.


Outline Dimensions and Panel Cutout


SERIES 90K
The Series 90 K Tellite units are available in three versions as an indicator-lite only, switch-lite, or switchIte with holding coil. Package sizes of each version are shown in the dimensional drawings on page 8. Units are available with a choice of wiring terminals. All units may be specified with solder lugs or plug-in connector pins. n addition, indicator-lite only units may be specified with screw-type terminals. Each unit incorporates inserting the unit through the panel cutout from the panel front. Captive mounting screws inside the unit cam out these mounting tabs and tighten them up against the back of the panel.
No external hardware required.

## GENERAL

| Basic Unit Types Available Indicator-Lite, Switch-Lite, SwitchLite with Holding Coil. Press to test indicator. | Mounting Method Hard mount from front of panel with integral mounting nuts | Operation Force 64 oz. max |
| :---: | :---: | :---: |
|  |  | Feel |
|  | Terminatio | Tactile |
| Switch Configurations and Actions 2PDT or 4PDT, momentary or alternate action | Switch: double turret, connector pins. Indicator: solder lugs, connector pins, screw type | Mechanical Life <br> 100,000 cycles <br> (on and off $=1$ cycle) |
| Lamp Types/Number of Lamps/ Voltage <br> Two T-1 ${ }^{3 / 4}$ incandescent 6,12 , or 28 volt based lamps (115 VAC neon lamps available) | Wire Sizes <br> Screw type and solder lug terminals accept up to 2 \#20 gauge wires. Connector pin type terminals accept uge wires | Electrical life <br> 100,000 cycles |
|  |  | Stroke <br> 0.125 " nominal |
| Lamp Circuits Available Common ground | Optional Features Available Control Circuits, Drip Proof Se | Tease proof Yes, 100\% |
| Display Screen Arrangements <br> Full display, two-way vertical or <br> horizontal split, two-color full display | RFI Screen, Spacer Barriers, Switch Guard, Panel Plug, Crimp Tool, Locator, Removal Tool | Holding Coil Nominal Voltage 6, 12, 28 and 48 VDC |
|  |  | 1 ldi |
| Color Control Method <br> Slab filter in yellow, amber, red, green, <br> blue, and white. Projected color (silicone rubber bulb boots) also available | ELECTRICAL AND MECHANICAL CHARACTERISTICS |  |
|  |  | Holding Coil, Max. Drop-Out Voltage $40 \%$ of nominal rating |
|  | Operation <br> Momentary or Alternate | , |
| Lens Types Available <br> Lighted letters or lighted background, letters either legible or not when unit is unlighted | Action <br> Snap-action |  |
|  |  | Environmental |
|  | Contacts <br> 2PDT or 4PDT | Operating Temperature Range $55^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ |
| Engraving Size $0.110^{\prime \prime}$ high with .017 " stroke (standard) | Contact Ratings <br> 3 amps resistive @115 to 250 VAC <br> 3 amps resistive, 1.5 amps inductive (minimum - 10mA @ 5V) | Termi |
|  |  | 5 lbs , parallel and perpendic |
| Relamping <br> Front of panel without tools |  | ML-STD-202, Method 211, |
|  |  | Actuator and Stop Streng |
| $1 / 32^{\prime \prime}$ to $3 / 16^{\prime \prime}$ | liohms @ 6 V VC and 100 ma |  |

90KA1C2D1F1G2H1J1(R)LIN1R120FF

| 90K | $\square$ | A1C2 | D1 | E1 | F1 | G1 | H1 | J1() | L1 | N1 | R1 | ON |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Series <br> Number | Basic <br> Unit <br> Variation | Basic <br> Unit | Terminals | Control | Lamps | Lens <br> Circuits | RF1 <br> Screen | Color <br> Filters | Display <br> Screen | Front <br> Lens | Legend <br> Configura- <br> tion | Legend <br> Wording |



## ELIMINATION OF ITEMS

Where one or more items comprising a complete unit are not required, omit the code number for that item.

## ORDERING SEPARATE ITEMS

When separate items are required, precede an item's code number with the basic «90K» to obtain the correct order number for that item. Lamps, when ordered separately, are always considered 1 each rather than 2.

## BASIC UNIT VARIATIONS

Variations of the basic unit, such as units with connector pins, may be specified in this space. Future expansion of the line, which will be described in Supplement sheets to this Catalog, may also be specified here, if applicable.

Complete Switch-Lite and Indicator-Lite assemblies may be ordered using a single coded part number Each item required for a complete assembly has been assigned a code number and is described on the following pages. By selecting the part number code for each item desired, and then placing these numbers in alphabetical sequence immediately following the series Above is the code number sequence to be used in ordering.

BASIC UNIT CODE NUMBERS

| Basic Unit Type | Indicator <br> or Switchite <br> Code | Holding Coil Unit Order Code |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6 Volt | 12 Volt | 28 Volt | 48 Volt |  |
| Indicator Only (U.L.approved) | A1 |  |  |  |  |
| 2PDT Momentary Switch | A1C2 | A3C2 | A4C2 | A2C2 | A5C2 |
| Momentary 4PDT Alternate | A1C3 | A3C3 | A4C3 | A2C3 | A5C3 |
| 2PDT Alternate Switch | A1C4 |  |  |  |  |
| 4PDT Alterate Switch | A1C5 |  |  |  |  |
| Press to Test Indicator Only) | A6D2 |  |  |  |  |

TERMINALS
Series 90K units are available with a choice of wiring terminals. All units may be specified with solder lugs or olug-in connector pins. In addition, Indicator-Lites may er sper fermins screw type ten inals. To specify th in the basic ordering sequence. rdering sequence.

| CODE | TERMINAL |
| :---: | :---: |
| D1 | Solder Lug |
| D2 | Screw Type (Indicator Only) |
| D3 | Connector Pin |



| CODE | LAMP |
| :---: | :---: |
| F1 | 6 Volt Incandescent |
| F2 | 12 Volt Incandescent |
| F3 | 28 Volt Incandescent |
| F14 | 28 Volt Long Life Incandescent |
| F4 | 115 Volt Neon With Resistor (*) |
| F10 | 115 Volt Neon Without Resistor <br> (for use with external resistor) |

[^0]
## 90KA1C2F1G1H1J1(R)L1N1R120FF



## LENS TYPE

Series 90 K units are available with four types of lenses, each producing a different type of legend display. To order, use the appropriate «G» code number from those described below.

CONTROL CIRCUITS (INDICATORS ONLY)
Special circuits which provide master lamp test and dimming capabilities are available as an integral part of the basic unit. These circuits eliminate the need for external circuitry and are available in four standard circuits which provide positive and negative test inputs for all full display screen styles. Other control circuits are available on request.

NOTE: The indicator only units with control circuits are the same package size as switch-lite units.

## LAMPS

Series 90 K units accept two T-1 $3 / 4$ midget flanged base lamps. To specify, insert the appropriate code number in the basic ordering sequence.

NOTE: LED's are available upon request. Please contact a Safran representative.
description

| LENS TYPE CODE | DESCRIPTION |
| :---: | :--- |
| G1 | Lighted Letters: Letters appear white on a black <br> background until illuminated, and then letters <br> appear in color, background remains black. |
| G2 (*) | Lighted Background: Letters appear black on a white <br> background until illuminated and then <br> background appears in color, letters remain black. |
| G3 | Lighted Letters: Letters are not legible until <br> illuminated and then letters appears in color, <br> background is black. |
| G4 | Lighted Background: Letters are not legible until <br> illuminated, then background appears in color, letters <br> are black. |

This is the most commonly used and preferred type of lens for most applications.

## RFI SCREENS

The passage of radiated and/or conducted RFI through panel cutouts can be reduced by the fine mesh, metal RFI screen, which is mounted between the lamps and display screen of the ight capsule. RFI is grounded by electrical contact from the screen to the unit housing to the panel.

Available for full, horizontal and vertical split displays. To order RFI screens for complete units, insert the code number shown below, according to the screen configuration, into the basic
 ordering sequence.

| CODE NUMBER | DESCRIPTION |
| :---: | :---: |
| H 1 | Full Display RFI Screen |
| H 2 | Horizontal Split Display RFI Screen |
| H 3 | Vertical Split Display RFI Screen |

[^1]
## SERIES 9OK COLOR FILTERS

## 90KA1C2D1E1F1G1H1J1(R)L1N1R120FF

## TRANSMITTED COLOR (SLAB FILTERS)

To order a color slab filter for a Series 90K unit for a specific display arrangement, use the code numbers shown at th right for the desired display, followed by the color code letter esired in parenthesis. In a horizontal split, the first color code denotes the top half of the display; the second color denote he bottom half. In a vertical split, the first color code denotes the color for the left half of the display; the second color code enotes the color for the right half as viewed from the front. The code number includes the holder and dividers, and spacers where applicable. Full displays or horizontally or ertically split displays, and two color full displays, are vailable. The coded part number «L1», etc., also include the holder for the lens assembly.

Note: The display screen illustration at the right is provided as an example only. It illustrates the Series 90 K ; the series 9 E and 90 H use slightly different parts, but the part number codes are the same.

PROJECTED COLOR (TWO COLOR FULL DISPLAY) Two colored lamp filters (silicone rubber bulb boots) are equired for each unit. Use the color code described in thi sequence: the first color code denotes the color to be used with the left lamp; the second color code denotes the colo codes should be preceded by the code «J4».
Example: $J 4(R G)$ would produce a red and green indication in a full two-color display.

## LENS FRAME

Select the lens most suited to your application and add the ppropriate order code, N 1 or N 2 , to the part number in th proper sequence. When ordering N2 lens for the Series 90 K , omit the «G» lens type code and the «L» display screen code, since the N 2 lens is available only in the G2 type lens. The standard color for the frame on the N 1 lens is gray. Other frame colors such as black, red, white, etc., are available on special order. The standard color for the N2 lens is white, for use without color filters, are available, such as red, yellow, green, etc. on special order. Also white and colored lenses with concave front surfaces are available on special order. Consult the factory for ordering information on special front lens colors and shapes.


| Color Code | Description |
| :---: | :---: |
| (A) | Amber |
| ${ }^{*}(\mathrm{~B})$ | Blue |
| ${ }^{*}(\mathrm{G})$ | Green |
| $(\mathrm{R})$ | Red |
| ${ }^{*}(\mathrm{~W})$ | White + |
| ${ }^{*}(\mathrm{Y})$ | Yellow |

Not recommended for use with 115 VAC neon lamps.
Light blue bulb is used for white illumination.


## SERIES 90K LEGEND CONFIGURATIONS \& CRIMP-TYPE TERMINALS

## 90KA1C201E1F1G1H1J1(R)L1N1R120FF



LEGEND CONFIGURATION
Engraving of the Series 90 unit lenses produce letters $0.110 \pm 0.010$ inch in height, with a 0.017 $\pm 0.005$ inch stroke. Letters are filled with specia black filler. To specify the engraving, add the etter «R» to the part number following the front lens code. The «R» code is then followed by the number or the engraving configuration desired, as shown in the illustration to the left. Use commas oo separate rows of wording and a straight vertica line to separate splits.

## CRIMP-TYPE TERMINALS

A standard connector block, which accepts crimp-type terminals is available for Series 90 K units. This connector quickly snaps over the Series 90 K connector pin terminals and offers the advantages of fast installation and replacement, a well as simplified wiring. To order the connector block, specify Safran Electronics \& Defense part number 901K-600.


## CRIMP TOOL AND LOCATOR

A standard MS3191 crimp tool and a special Safran Electronics \& Defense locator are used to attach each terminal to its wiring. These items are available from Safran Electronics \& Defense Part number 800-3191 is for the crimp tool itself Part number 800-3191-L20 covers the Safran
Electronics \& Defense locator only, which must be ordered even if you have your own crimp too (Part Number 800-3191-L20-2 is required when using 800-CT20-2 terminals). These tools are not required if the terminals are to be soldered.

## CRIMP-TYPE TERMINALS

The crimp-type terminals used to wire the terminal blocks are also ordered as a separate item. These terminals are packaged in plastic bags, 25 terminals to the bag. Each bag of 25 terminals may be ordered by using the part number 300-CT20. (Takes on \#20, 22, or 24 gauge wire or two \#24 gauge wires.) Part Number 800-CT20-2 takes one \#26 or \#28 gauge wire.
Terminals can be shipped from stock prior to shipment of the units. This permits advance attachment of the terminals to the wires and speeds installation when units arrive.

REMOVAL TOOL
Crimp terminals may be quickly removed from the connector block by using the Safran Electronics \& Defense Removal Tool. To order, specify Safran Electronics \& Defense part number 800-P2.

## SERIES 9OC FEATURES

The Series 90C Tellite Switch units are ruggedly packaged in stainless-stee housings to assure long-term wearability and resistance to environmental extremes. Their double-turrent, hot-tin dipped switch terminals provide fo fast and reliable wiring. They mount firm and flush-to-the-panel by mean of an integral flange and a pressure spring-clip arrangement. No external mounting hardware is required. Installation is through the panel cutout from the panel front. Package size is shown in the dimensional drawings below.

## SPECIFICATIONS

SWITCH MODULE (SPST or 2PST and SPDT or 2PD with momentary or alternate action).

## Electrical :

5.0 amps @ 125 VAC or 250 VAC
5.0 amps @ Resistive Loads of 30 Vdc
(@sea-level and 50,000 feet)
Inductive Loads
3.0 amps @ sea level
$2.5 \mathrm{amps} @ 50,000$ feet
Inrush Loads - 24 amps (max)


## Terminals

Double-Turrent, Hot-Tin Dipped
Character Size
0.110 inch high with a 0.017 inch stroke

Units mount flush with the panel.
Mounting
No special brackets required
Lamps:

- Two T-1 $3 / 4$ inch midget flanged base.



## OPTICAL ACCESSORIES FOR SERIES 90E, 90H, 90 K \& 90C

## DRIP-PROOF SEAL

An easily installed, effective barrier that prohibits the entrance of liquids, or foreign matter through pane openings, without affecting visibility of legends or ease slips over the basic unit from the back, and a seal that fits over the front of the unit to provide an effective seal.
Order as part number 90ㅁ-502.
NOTE: Insert the letter in place of the box to indicate the proper Series for the part ordered

## SPACER BARRIERS

Spacer Barriers are available for vertical mounting with basic 90 units. As a safety precaution, the barrier preclude the possibility of inadvertently switching two barriers are available in a variety of colors as listed.
How to Order: Select vertical (short) barriers from the How to Order: Select vertical (short) barriers from the tables below, according to the desired colors. Two are f rows are used). frows are used).

| Vertical Barriers for <br> Horizontal Rows <br> (Mount on Sides) |  |
| :---: | :---: |
| Part Number | Color |
| $90 \square 535 \mathrm{G}$ | Gray |
| $90 \square 535 \mathrm{~B}$ | Black |
| $90 \square 635 \mathrm{~W}$ | White |
| $90 \square 535 \mathrm{R}$ | Red |

NOTE: Barriers are 0.125 inch thick. The added space required for barriers must be allowed for in the preparation of pane each additional unit in a matrix.

## SWITCH GUARD

Positive protection against accidental switch actuation is provided by this spring-loaded, clear plastic cover The spring holds the cover over the switch face at all switch, the cover must be raised by deliberate action.
How to Order: Switch Guards may be ordered separately by specifying Part Number 90K-19
How to install: The installation of a Switch Guard can be quickly accomplished in the field. To install, remove the unit light capsule, loosen the mounting screws switch unit and the panel front. Slip the Switch Guard onto the frame from the bottom of the frame. Tighten mounting screws securely and replace the light capsule.

PANEL PLUGS
Panel plugs may be used to cover panel cutouts for Series 90 units, attractively covering cutouts which have been provided for future expansion, or which have been created by design changes. Each plug will fit any single cutout measuring $0.920 \times 0.670$ inch. Plugs may also be inserted into vertical or horizontal rows of units to cover spaces allotted for one or several units. Dimensions of plug face are $0.75 \times 1.00$ inch.

How to Order: Panel plugs may be ordered in various colors by using the part numbers shown below.

| Safran Part Number | Color |
| :---: | :---: |
| $90 \square 542-1$ | Black |
| $90 \square 542-2$ | Red |
| $90 \square 542-3$ | Gray |
| $90 \square 542-4$ | White |
| $90 \square 542-5$ | Blue |
| $90 \square 542-6$ | Yellow |
| $90 \square 542-7$ | Green |



## Qualification to MIL-PRF-22885/58

The Series 90 Tellite Switches have been granted quaification approval to MIL-PRF-22885/58. To order MIL-PRF-22885/58 qualified units, the part number should

The list of Safran military specification part numbers for the $90 H$ series is listed on page 3 of this catalog. Should you have a need for more information on these Military Qualified Products, please consult vour Safran representative or call the factory.


## POWERED BY TRUST


[^0]:    Recommended for use with red or amber color filters only.

[^1]:    To order RFI screens as separate parts, consult factor for ordering information

