ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

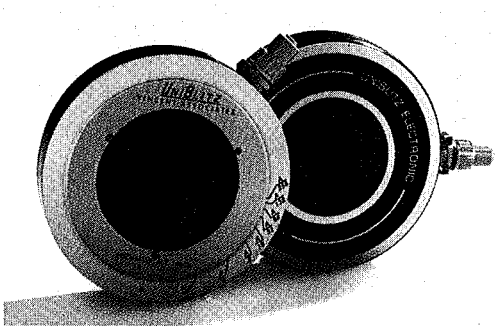
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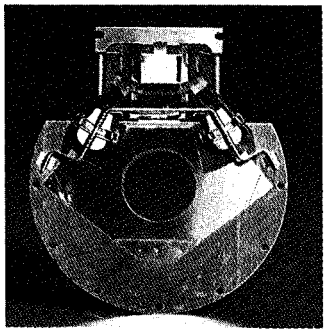
Find the *Vincent / UniBlitz 225L4A1T5* at our website: *Click HERE*

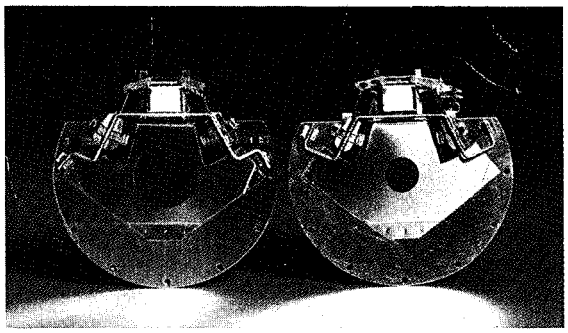
A.W. VINCENT ASSOCIATES, INC.

ELECTRO-MECHANICAL SHUTTER SYSTEMS • 1255 UNIVERSITY AVENUE • ROCHESTER, N.Y. 14607 • (716) 473-2232

MODEL 114L/214L & 225L SERIES SPECIFICATIONS







The UNIBLITZ® 225L and 114L/214L series shutters have been designed to give accurate, repeatable exposures and offer:

- Small and repeatable opening delays within 2%
- 2% Jitter from exposure to exposure
- Faster opening and closing times
- Flexible duration of exposure time (programable)
- Flexible frequency of exposure up to 40/sec
- High mechanical life
- Able to function in the complete vacuum of space

As with all UNIBLITZ shutters, these units are activated by an electronic pulse through our patented electronic drive systems. The shutter will follow the pulse as it is fed to the control; therefore the user can "program" the shutter's exposure duration.

Though the units in their standard configuration maintain a high mechanical life, an addition of the "S" stop accessory has been shown to increase life ten fold in most applications.

The 114L series is a single bladed version of the 214L series. It commands the same electrical, mechanical, and timing specifications as the 214L but has a lower cost for high volume applications.

Additional options include:

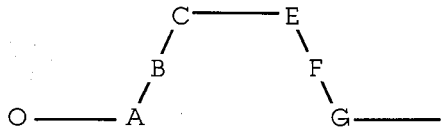
- Aluminum Housings—Black Anodized
- Variable Iris Diaphragm
- Heatsink, Class A or Class B coils
- Mechanical and Electrical Synchronization Contacts
- Reflective Blade Coatings—AlSiO, AuMgF2, and AgMgF2
- Reflective Blade Finishes—Buffed Stainless and BeCu
- Dual Overlapping Blades
- Normally Open Configuration

Consult our full line catalog or factory for further details.

TYPICAL SHUTTER TIMING VALUES* (msec.) USING UNIBLITZ DRIVE EQUIPMENT

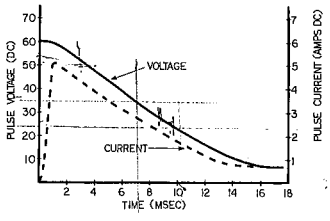
O-A Delay time on opening after current is applied
A-C Transfer time on opening
O-C Total time to open
B-F Minimum equivalent exposure time
C-E Minimum dwell time (at min input pulse)
E-G Transfer time on closing
A-G Total window time

*Values above measured at Minimum Exposure Time

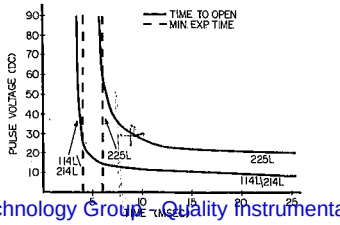


	114L/214L	225L
O-A	2.5	3.0
A-C	1.5	3.0
O-C	4.0	6.0
B-F	4.0	5.5
C-E	2.0	2.0
E-G	3.0	4.2
A-G	6.5	9.0

PULSE VOLTAGE and CURRENT vs. TIME
(18ms Exposure Time)



PULSE VOLTAGE vs. TIME TO OPEN
(Measured Half Open To Half Closed)



ELECTRICAL SPECIFICATIONS

	114L/214L		225L
Maximum Pulse Voltage To Open	60VDC		60VDC
Minimum Pulse Voltage To Open	See Pulse Voltage	vs.	Opening Time
Nominal Hold Voltage	5VDC		5VDC
Nominal Coil Resistance	12 ohms		12 ohms
Recommended Drive System	Vincent Associates or Equivalent Dual voltage drive, 250μf capacitor discharged into coil dropping to 5 VDC for remainder of exposure pulse.		

MECHANICAL SPECIFICATIONS

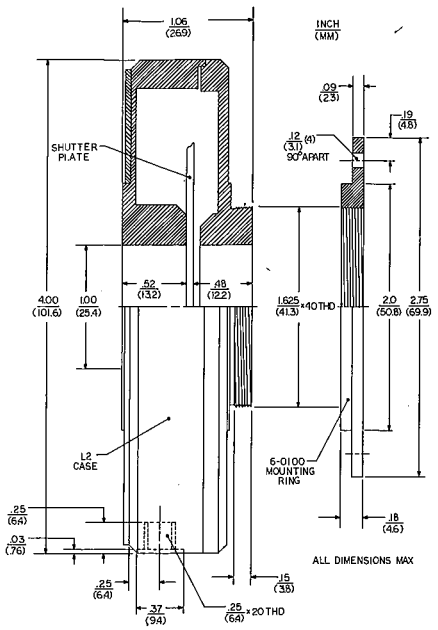
Aperture Size	1.00 (25.4)	.54 (14)
Recommended Operating Temp.	75 F	75 F
Max. Temp. on Blade Surface Only* (Teflon®)	300 F	300 F
Max. Frequency of Exposures (Class A)	15cps	15cps
Max. Frequency of Exposures (Class B)	40cps	40cps

*Additional blade coatings and finishes have different specifications not shown here. Although full line catalog contains additional information, please consult factory before ordering.

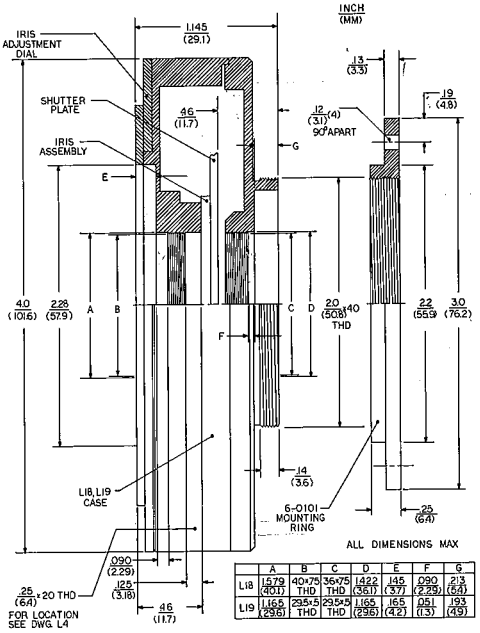
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MODEL 114L/214L & 225L SERIES SPECIFICATIONS

L2 CASE OPTION
Standard Case

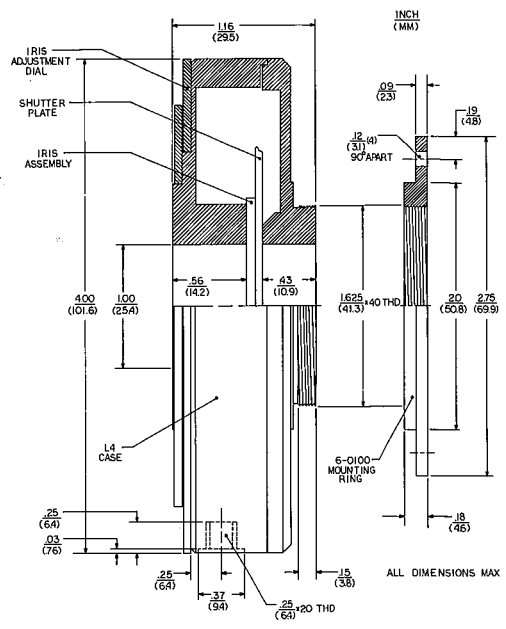


L18 AND L19 CASE OPTIONS
With Iris and Internal Lens Threads



	A	B	C	D	E	F	G
L18	1.579 (40.1)	40x.75 THD	36x.75 THD	1.422 (36.1)	.145 (3.7)	.090 (2.29)	.213 (5.4)
L19	1.165 (29.6)	29.5x.5 THD	29.5x.5 THD	1.165 (29.6)	.165 (4.2)	.051 (1.3)	.193 (4.9)

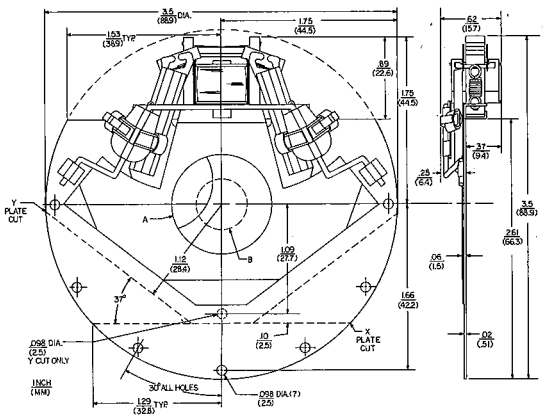
L4 CASE OPTION
Standard Case With Iris



Note: On all shutter case configurations mounting rings (6-0100 and 6-0101) are optional

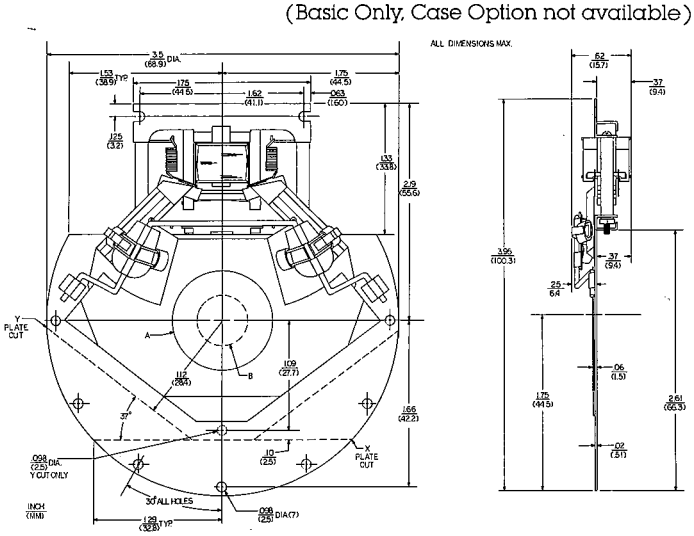
114L/214L AND 225L SHUTTER

(Basic Configuration)



225L-A HOLE 1.00 (25.4)
214L-B HOLE .54 (14.0)

114L/214L and 225L Normally Open
(Basic Only, Case Option not available)



WARRANTY

Great care has been taken to ensure that our products are free from defect when shipped. Defective units will be replaced or repaired at no charge, excepting transportation charges, if returned within 90 days from the date of shipment. Burned out coils are not covered by this warranty.

Vincent Associates will consider the return of unused equipment if returned within 30 days from the date of shipment subject to a 20% restocking charge. This offer does not apply to used or damaged equipment.

PURCHASING TERMS AND DISCOUNTS

Terms: ½%—10 days, net—30 days. Invoiced and payable in U.S. Dollars. F.O.B.—Rochester, New York. Quantity OEM discounts will be offered at the time of purchase. Due to our ongoing product development program, Vincent Associates reserves the right to discontinue or change specifications or designs of any products at any time, without incurring any obligations.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

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