Switches & Pilot Devices

Signaling Lights

Relays & Sockets

Timers

HW Series – 22mm IEC Style Global Pushbuttons

Key features:

- · Locking lever removable contact blocks
- Finger-safe IP20 contacts as standard, other terminal styles available
- Tamperproof construction
- All E-stops meet EN418 and are compliant with SEMI S2 standards
- Worldwide approvals
- · Easy to assemble
- · Choice of black plastic or metallic front bezels
- Incandescent or LED illumination
- Transformer or full voltage ٠
- · Slow make double break self cleaning contacts



lights, selector switches, and emergency stop switches.

HW: The Best Engineered Switch in the World

IDEC's HW switches are "The best engineered switch in the world" for a reason. Carrying the CE mark, UL, CSA, CCC (Chinese), and TUV approvals, these switches are designed for use in almost any part of the world.

Complete with finger-safe contact blocks offering IP20 protection, these 7/8" (22mm) switches include illuminated and non-illuminated pushbuttons, pilot



Electrical





Registration No. R9551089 (E-stops) Registration No. R50054316 (Dual Pushbuttons) Registration No. J9650511 (Pilot Lights) Registration No. J9551458 (all other switches)



All switches also incorporate mechanically keyed safety locking levers, ensuring

correct installation and maintaining safety in high-vibration applications.



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Specifications
AC-15: A600 or Ue = 250V, Ie = 3A (NO, NC, NO-EM, NC-LB) DC-13: P600 or Ue = 125V, Ie = 1.1A (NO, NC)

Rated Operational Characteristics	DC-13: P600 or Ue = 125V, le = 1.1A (NO, NC) DC-13: Q600 or Ue = 125V, le = 0.9A (NO-EM, NC-LB)
Maximum Inrush Current	40 A (40 ms)
Rated Insulation Voltage	600V
Rated Switching Over-Voltage	Less than 4kV, conforming to IEC60947-1
Rated Impulse Withstanding Voltage	4kV for contact circuit, 2.5kV for lamp circuit
Rated Thermal Current	10 Amp
Minimum Switching Capacity	5 mA at 3V AC/DC
Electrical Reliability	MTBF < 1 fault for 10 million operation cycles (3V DC, 5mA)
Lamp Ratings	Incandescent: 1 W LEDs: 6V/17mA max, 12V & 24V/11mA max, 120 & 240V/10mA max

ø22mm - HW Series

Switches & Pilot Devices

	Contact Opera	tion		Slow break NC or NO, sel	f-cleaning					
	Positive Actior (Emergency St	n Operation ops with NC co	ntacts)	5.5mm to 10mm travel to 10mm maximum travel, 1, 900 operations per hour n	800 operatior	is per hour ma		Pushlock Turn	Reset	
	Operating Ford	e		Flush and extended push Additional contacts—1N					y), 7.0±2N (m	aintained)
	Recommended	l Terminal Torqu	е	0.8 N m (7.1 in lb.)						
ical	Applicable Wi	re Size		Minimum 1 x 22 AWG, ma	ax. 2 x 14 AW	G or 1 x 12 A\	NG			
Mechanical	Contact Resist	ance		Initial contact resistance	of 50mΩ or le:	ss				
Mec	Contact Gap			4mm (NO and NC), 2mm (NO-EM and N	C-LB)				
	Horsepower R	ating		Reference Value: 1/4 HP (@ 120V (1ø no	n-reversing),	1HP @ 240V (3ø non-revers	ing)	
	Contact Mater	ial		Silver (gold plated contac					0.	
	Operating Tem	perature		Operation: -25 to +50°C (–40 to +70°C	(without freez	zing)	
	Vibration Resis	stance		10 to 55Hz, 98m/sec ² (100	G) conforming	to IEC6068-2-	-6		-	
	Shock Resista	nce		980m/sec ² (100G) conform	ning to IEC606	8-2-7				
	Mechanical Lit	fe		Momentary pushbuttons:	5,000,000 (90	0 operations	per hour), All c	other switches	s: 500,000	
	Conforming to	Standards		EN60947-1, EN60947-5-1						
Standards & Approvals	Registration No. J9650	54316 (Dual Pushbuttons) 1511 (Pilot Lights) 458 (all other switches) Protection	Curricate No. 2005010305145656	pilot lights and illuminate integral transformer (100/ UL: pushbuttons and seler pilot lights and illuminate integral transformer (100/ TÜV: pushbuttons and sel pilot lights and illuminate integral transformer (100/ Class 0 conforming to IEC IP65 (from front of the par IP20 (Type HW-F contact the transformer transfor	(110, 115, 120 ctor switches: d pushbuttons (110, 115, 120 ector switche d pushbuttons (110, 115, 120 60536 nel)	, 200/220, 23 A600 s, direct suppl , 200/220, 23 s: A600=P600 s, direct suppl	0, 240, 380, 40 y pilot lights a 0, 240, 380, 40 (NO, NC)/Q60 y pilot lights a	00/440, 480V) nd illuminate 00/440, 480V) 10 (NO-EM, Ni nd illuminate	d pushbutton: C-LB) d pushbutton:	s with
		to NEMA ICS6-1	10)	NEMA 1, 2, 3, 3R, 3S, 4, 4		rom front of p	anel)			
	Pollution Degr	ee (conforming	to IEC60947-1)	3 for switches not using a	transformer,	2 for switche	s using a trans	former		
	External Short	-Circuit Protecti	on	10A 250V fuse conforming	g to IEC60269	-1				
	Terminal Refer	rencing		Conforming to CENELEC E	N50005					
ß	Pushbuttons			Contact Block			Type HW-C/	HW-F /HW-G		
ating	Illuminated Pu	shbuttons		Rated Insulation Voltage			600V			
ct R	Selector Swite			Rated Continuous Current			10A			
Contact Ratings	Pushbutton Se	lector Switches lectors		Contact Ratings by Utiliza IEC 60947-5-1	tion Category		AC-15 (A600 DC-13 (P600			
(0)	Operational Vo	oltage			24V	48V	50V	110V	220V	440V
stics			AC-12 Control of resistive loa	ads & solid state loads	10A	_	10A	10A	6A	2A
cteri	Operational	AC 50/60 Hz	AC-15 Control of electromage		10A	_	7A	5A	3A	1A
Characteristics	Current		DC-12 Control of resistive loa		8A	5A	_	2.2A	1.1A	_
сh		DC	DC-13 Control of electromage		5A	2A	_	1.1A	0.6A	_
	For dimensions	CO1				_				

For dimensions, see page 601.

Terminal Blocks



Switches & Pilot Devices

Model			LSTD-6@	LSTD-1@	LSTD-2 [©]	LSTD-H2 [@]	LSTD-M4@	
Lamp Ba	se			BA9S,	/13			
Rated Vo	ltage		6V AC/DC	12V AC/DC	24V AC/DC	120V AC	240V AC	
Voltage I	Range		6V AC/DC ±10%	12V AC/DC ±10%	24V AC/DC ±10%	120V AC ±5%	240V AC ±5%	
Current	AC	A, R, W: G, S:	17mA 8mA	11mA	11mA	10mA	10mA	
Draw	DC	A, R, W: G, S:	14mA 5.5mA	10mA	10mA	-	-	
Color Co	de			A (amber), G (green), R (re	ed), S (blue), W (white)			
Lamp Ba	se Colo	or		Same as illumi	ination color			
Voltage I	Markin	g		Die stamped o	on the base			🔺 In place of @
Life (refe	rence	/alue)	Approx. 50,000 hour	s (The luminance reduces to 50%	% the initial intensity wh	nen used on compl	ete DC.)	Color Code.
			A, R, W	A, F	R, W			color code.
Internal	Circuit							
IIIteilidi	SIICUIL			G, S				
				-K→ LED Chin → Protectio → Zener D	on Diode			



Jumbo Dome Pilot Lights (Assembled)



			Flastic Dezei
	LED	Operator Only	HW1P-5Q0
Jumbo Dome		Full Voltage 24V AC/DC	HW1P-5Q4-@
Jumbo	Incandescent	Operator Only	HW1P-507*
	Incandescent	Full Voltage 24V AC/DC	HW1P-507-@

1. In place of @, specify the Lens/LED Color Code. 2.

- Available with spring-up terminals in 24V only. 3.
- 4. For nameplates and accessories, see page 596 and 599.

*Incandescent operator comes with bulb.

5. For dimensions, see page 601.

② Lens/LED Color Code



Jumbo Dome Replacement Parts



3. Use white LED for yellow lens.

Lamp Ratings

	Part Number	Operating Voltage	Rated Current	Power Consumption
LED	LSTDB-2	24V AC/DC ±10%	15mA	0.36W
Incandescent	LSB-2	24V AG/DC ±10%	150mA	3.6W





Pilot Lights (Assembled)



Timers

Contactors

		Roun	d Flush	Do	me
		Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
Operator Only		HW1P-1FΩ0-©	HW4P-1FQ0-©	HW1P-2FQ0-©	HW4P-2FQ0-©
Full Voltage		HW1P-1FQ⊕-@-3	HW4P-1FQ@-@-3	HW1P-2FQ@-@-3	HW4P-2FQ@-@-3
	120V AC	HW1P-1FH2@-@	HW4P-1FH2@-@	HW1P-2FH2@-@	HW4P-2FH2@-@
Transformer	240V AC	HW1P-1FM4@-@	HW4P-1FM4@-@	HW1P-2FM4@-@	HW4P-2FM4⊕-@
	480V AC	HW1P-1FT8⊕-©	HW4P-1FT8⊕-©	HW1P-2FT8⊕-©	HW4P-2FT8@-@
DC-DC Converter*	110V DC	HW1P-1D2D-@	-	HW1P-2D2D-@	-



③ Full Voltage Code

Code

6V

12V

24V

120V

240V

Voltage

6VAC/DC

12VAC/DC

24VAC/DC

120V AC (LED only)

240V AC (LED only)

		Square Flush
		Plastic Bezel
Operator Only		HW2P-1FQ0-©
Full Voltage		HW2P-1FQ@-@-3
, i i i i i i i i i i i i i i i i i i i	120V AC	HW2P-1FH2@-@
Transformer	240V AC	HW2P-1FM4@-@
	480V AC	HW2P-1FT8@-@
DC-DC Converter*	110V DC	HW2P-1D2D-@



② Lens/LED Color Code

Code

А

G

R

S

W

Y

Color

Amber

Green

Red

Blue

White

Yellow

④ Lamp Type Code

Blank
)

1. In place of O , specify the Lens/LED Color Code from table below.

- 2. In place of ③ specify the Full Voltage Code from table below.
- 3. In place of ${f 4}$ specify Lamp Type Code from table below.
- 4. *DC-DC convertor voltage input from 90-140V DC, comes with spring-up terminals only.
- 5. DC-DC converter models with LED lamps only.
- 6. For nameplates and accessories, see page 596 and 599.
- 7. For dimensions, see page 601.
- 8. Pilot lights do not come with anti-rotation ring.
- Operator models come with operator and lens.
 Yellow pilot light comes with white LED.

Switches & Pilot Devices

Signaling Lights

Relays & Sockets

Timers

Contactors

Terminal Blocks

Circuit Breakers

Part Number Structure

Sezel : Round Plast : Square Plas : Round Meta	stic	Operator – 1: Flush 2: Dome	0: Full \ H2: 120 M4: 240 T8: 480	IV AC Transformer OV AC Transformer V AC Transformer DC Converter	Lamp Type Code D: LED Blank: Incandescent eplacement Parts)	Lens/LED (A: Amber G: Green R: Red S: Blue W: White Y: Yellow	(ful) 6V: 12V 24V 120 240 240	mp Voltage I voltage units onl 6V AC/DC /: 12V AC/DC /: 24V AC/DC DV: 120V AC* DV: 240V AC* D only
	Transfor	mer*	+	Lamp +	Operator +	Lens =	Complete	ed Unit
(not aj ransformer		ull voltage unit	s)	Operators				
Style	Volta	ge Part N	lumber	Style		Туре	Plastic Bezel	Metal Bezel
ED/Incandesce	ent 120V	AC HW-FH		Round Flush	Full Voltage	Standard	HW1P-1FQ0	HW4P-1FQ0
		HW-FN		ditera d		Spring-up Terminals		HW4P-100
F	240V	AC HW-FIN		and the second s	Transforme	Standard	HW1P-10	HW4P-10
-		HW-FT	80		individual in the second s	Spring-up Terminals	HW1P-100	-
SV secondary	480V	AC HW-R1	Г80*	Dome		Standard	HW1P-2FQ0	HW4P-2FQ0
JV SECUIIUdi Y					Full Voltage			
	110V	DC** HW-RE	D0*		Full Voltage	Spring-up Terminals	HW1P-2Q0	HW4P-2Q0
oltage)	spring-up termin	als - to use sprin	g-up terminal			Spring-up Terminals Standard	HW1P-2Q0 HW1P-20	HW4P-2Q0 HW4P-20
oltage) 1. *With s type, m	spring-up termin nust use transfor		g-up terminal		Full Voltage	Spring-up Terminals Standard		
oltage) 1. *With s type, m spring-	spring-up termin nust use transfor -up transformer.	als - to use sprin	g-up terminal or designed for	Square Flush	Transformer	Spring-up Terminals Standard Spring-up Terminals Standard	HW1P-20	HW4P-20
1. *With s type, m spring-1 2. ** DC-1	spring-up termin nust use transfor -up transformer.	als - to use sprin mer type operato	g-up terminal or designed for	•		Spring-up Terminals Standard Spring-up Terminals Standard	HW1P-20 HW1P-200	HW4P-20
1. *With stype, m spring- 2. ** DC-D	spring-up termin nust use transfor -up transformer.	als - to use sprin mer type operato	g-up terminal or designed for 30-140V DC.	•	Transformer Full Voltage	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Standard Standard	HW1P-20 HW1P-200 HW2P-1FQ0	HW4P-20
1. *With stype, m 2. ** DC-I	spring-up termin nust use transfor -up transformer. -DC converter vol	als - to use sprin mer type operato tage input from S	g-up terminal or designed for 30-140V DC.	•	Transformer	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Standard Standard	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10	HW4P-20 -
1. *With type, m spring- 2. ** DC-I mps tyle	spring-up termin nust use transfor -up transformer. -DC converter vol Voltage 6V AC/DC	als - to use sprin mer type operato tage input from S Part Numb LSTD-6@	g-up terminal or designed for 30-140V DC.	r Square Flush	Transformer Full Voltage Transformer	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals ormer & lamp. Must select c	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100	HW4P-20
1. *With stype, m 2. ** DC-I	spring-up termin must use transfor -up transformer. -DC converter vol Voltage	als - to use sprin mer type operato tage input from S Part Numb	g-up terminal or designed for 30-140V DC.	r Square Flush	Full Voltage Transformer Full Voltage Transformer	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals ormer & lamp. Must select c	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100	HW4P-20
1. *With type, m spring- 2. ** DC-I	spring-up termin nust use transfor -up transformer. -DC converter vol Voltage 6V AC/DC 12V AC/DC	als - to use sprin mer type operato tage input from S Part Number LSTD-6@ LSTD-1@	g-up terminal or designed for 30-140V DC.	r Square Flush	Transformer Full Voltage Transformer	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals sormer & lamp. Must select of EDS.	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100	HW4P-20
1. *With stype, m spring- 2. ** DC-I mps tyle	spring-up termin nust use transfor -up transformer. -DC converter vol Voltage 6V AC/DC 12V AC/DC 24V AC/DC	Als - to use sprin mer type operato tage input from S Part Numbe LSTD-6@ LSTD-1@ LSTD-2@ LSTD-H2@	g-up terminal or designed for 30-140V DC.	r Square Flush	Full Voltage Transformer Full Voltage Transformer	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals sormer & lamp. Must select of EDS.	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100	HW4P-20
1. *With stype, m spring- 2. ** DC-D mps cyle	Spring-up termin nust use transfor -up transformer. -DC converter vol 6V AC/DC 12V AC/DC 24V AC/DC 120V AC 240V AC	Als - to use sprin mer type operato tage input from S Part Number LSTD-6@ LSTD-1@ LSTD-2@ LSTD-H2@ LSTD-H2@	g-up terminal or designed for 30-140V DC.	r Square Flush Square Flush 1. Transform spring up 2. Full voltag Lenses	Full Voltage Full Voltage Transformer Transformer er type requires separate transfor terminal type. Use 6V lamps or L je type only requires lamp.	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Terminals Terminals Standard Spring-up Terminals Terminals Terminals Standard Spring-up Terminals Terminals Terminals Standard Standard Spring-up Terminals Terminals Standard Standard Spring-up Terminals Terminals Standard Standa	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100 orrect transformer ba	HW4P-20
1. *With stype, m spring- 2. ** DC-D mps cyle	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 24V AC 240V AC 6V AC/DC	Als - to use sprin mer type operato tage input from S Part Numbo LSTD-6@ LSTD-1@ LSTD-2@ LSTD-H2@ LSTD-H2@ IS-6	g-up terminal or designed for 30-140V DC.	r Square Flush Square Flush 1. Transform spring up 2. Full voltag Lenses Style Round/	Full Voltage Transformer Full Voltage Transformer terminal type. Use 6V lamps or L tervine lamp. Part Number	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Termer & lamp. Must select of EDs. (3) Lens (Color	HW1P-20 HW1P-200 HW2P-1F00 HW2P-100 HW2P-10 HW2P-100 HW2P-100 Color Code	HW4P-20
1. *With stype, m spring- 2. ** DC-D mps tyle	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 240V AC 6V AC/DC 120V AC 240V AC 6V AC/DC	als - to use sprin mer type operato tage input from S Part Number LSTD-6@ LSTD-1@ LSTD-1@ LSTD-H2@ LSTD-H2@ LSTD-H2@ IS-6 IS-6	g-up terminal or designed for 30-140V DC.	r Square Flush Square Flush 1. Transform spring up 2. Full voltag Lenses Style	Full Voltage Full Voltage Transformer Transformer er type requires separate transfor terminal type. Use 6V lamps or L je type only requires lamp.	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals ormer & lamp. Must select of EDs. (3) Lens (Color Amber	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100 orrect transformer ba	HW4P-20
A 1. *With 3 type, m spring- 2. ** DC-I amps type ED ED Concorrection mcandescent	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 24V AC/DC 240V AC 12V AC/DC 240V AC 240V AC 240V AC 240V AC 240V AC	 als - to use sprin mer type operato tage input from S Part Numbo LSTD-6@ LSTD-1@ LSTD-1@ LSTD-4@ LSTD-H2@ LSTD-H2@ IS-6 IS-12 IS-24 	g-up terminal or designed for 30-140V DC. er	r Square Flush Square Flush 1. Transform spring up 2. Full voltag Lenses Style Round/	Full Voltage Transformer Full Voltage Transformer terminal type. Use 6V lamps or L tervine lamp. Part Number	Spring-up Terminals Standard Spring-up Terminals Spring-up Terminals Spring-up Terminals	HW1P-20 HW1P-200 HW2P-1FQ0 HW2P-1Q0 HW2P-10 HW2P-100 HW2P-100 truct transformer ba	HW4P-20
A 1. *With stype, m spring- 2. ** DC-I Amps Style ED Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Concenter Con	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 24V AC/DC 12V AC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC/DC 240V AC/DC 240V AC/DC	als - to use sprin mer type operato tage input from S Part Numbo LSTD-6@ LSTD-1@ LSTD-1@ LSTD-H2@ LSTD-H2@ IS-6 IS-12 IS-24 he LED Color Coo	g-up terminal or designed for 30-140V DC. er	r Square Flush Square Flush 1. Transform spring up 2. Full voltag Lenses Style Round/	Full Voltage Full Voltage Transformer Full Voltage Transformer Transformer Ver Ver	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Color Amber Green Red	HW1P-20 HW1P-200 HW2P-100 HW2P-100 HW2P-100 HW2P-100 HW2P-100 Color Code A G R	HW4P-20
1. *With stype, m spring- 2. ** DC-I amps Style ED ED Concenter Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concent Concen	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 24V AC/DC 12V AC 240V AC 240V AC 12V AC/DC 24V AC/DC 24V AC/DC 24V AC/DC 24V AC/DC	als - to use sprin mer type operato tage input from S LSTD-6@ LSTD-1@ LSTD-2@ LSTD-2@ LSTD-H2@ IS-6 IS-12 IS-24 he LED Color Coor rent-limiting resis	g-up terminal or designed for 30-140V DC. er	r Square Flush Square Flush 1. Transform spring up 2. Full voltag Lenses Style Round/	Full Voltage Transformer Full Voltage Transformer terminal type. Use 6V lamps or L tervine lamp. Part Number	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Temer & lamp. Must select of EDs. 3 Lens (Color Amber Green Red Blue	HW1P-20 HW1P-200 HW2P-1F00 HW2P-100 HU1P-200 HW2P-100 HU1P-200 HU1P-200 HU1P-200 HU2P-100 HU1P-200 HU1P-200	HW4P-20
oltage) 1. *With stype, m spring- 2. ** DC-I amps Style ED ED Control of the strength of	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 240V AC 240V AC 6V AC/DC 12V AC/DC 240V AC 240V AC 240V AC 240V AC 6V AC/DC 240V AC 240V AC 240V AC/DC 240V AC/DC 240V AC/DC	als - to use sprin mer type operato tage input from S LSTD-6@ LSTD-1@ LSTD-2@ LSTD-2@ LSTD-H2@ IS-6 IS-12 IS-24 he LED Color Coor rent-limiting resis	g-up terminal or designed for 30-140V DC. er	square Flush Square Flush I. Transform spring up 2. Full voltag Lenses Style Round/ Flush	Full Voltage Full Voltage Transformer Full Voltage Transformer Transformer Ver Ver	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Tromer & lamp. Must select of EDs. ③ Lens (Color Amber Green Red Blue White Yellow	HW1P-20 HW1P-200 HW2P-100 HW1P-100	HW4P-20 - - - ses on standard or
A 1. *With stype, m spring- 2. ** DC- Amps Btyle ED Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent Concandescent	Voltage 6V AC/DC 12V AC/DC 24V AC/DC	als - to use sprin mer type operato tage input from S LSTD-6@ LSTD-1@ LSTD-2@ LSTD-H2@ LSTD-H2@ IS-6 IS-12 IS-24 he LED Color Coor rent-limiting resis ptection diodes.	g-up terminal or designed for 30-140V DC. er	Square Flush Square Flush 1. Transform spring up 2. Full voltage Eenses Style Round/ Flush Dome	Full Voltage Full Voltage Transformer Full Voltage Transformer Transformer Ver Ver	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Tromer & lamp. Must select of EDs. ③ Lens (Color Amber Green Red Blue White Yellow	HW1P-20 HW1P-200 HW2P-100 HW1P-100 HW1P-100	HW4P-20 - - - ses on standard or
Amps 1. *With stype, m 2. ** DC-1 Amps type ED Control of the stype control of th	Voltage 6V AC/DC 12V AC/DC 24V AC/DC	als - to use sprin mer type operato tage input from S LSTD-6@ LSTD-1@ LSTD-2@ LSTD-2@ LSTD-H2@ IS-6 IS-12 IS-24 he LED Color Coor rent-limiting resis otection diodes.	g-up terminal or designed for 30-140V DC. er	Square Flush Square Flush 1. Transform spring up 2. Full voltage Lenses Style Round/ Flush Dome Square/	Full Voltage Full Voltage Transformer Full Voltage Transformer Transformer Ver Ver	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Tromer & lamp. Must select of EDs. ③ Lens (Color Amber Green Red Blue White Yellow	HW1P-20 HW1P-200 HW2P-100 HW1P-100 HW1P-100	HW4P-20 - - - ses on standard or
And the second s	Voltage 6V AC/DC 12V AC/DC 24V AC/DC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC 240V AC/DC 24V AC/DC 24V AC/DC 24V AC/DC 24V AC/DC 24V AC/DC 24V AC/DC	als - to use sprin mer type operato tage input from S LSTD-6@ LSTD-1@ LSTD-1@ LSTD-2@ LSTD-H2@ LSTD-H2@ IS-6 IS-12 IS-24 the LED Color Coor rent-limiting resis tote ction diodes.	g-up terminal or designed for 30-140V DC. er	Square Flush Square Flush 1. Transform spring up 2. Full voltage Eenses Style Round/ Flush Dome	Image: Second	Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Standard Spring-up Terminals Tromer & lamp. Must select of EDs. ③ Lens (Color Amber Green Red Blue White Yellow	HW1P-20 HW1P-200 HW2P-100 HW1P-100 HW1P-100	HW4P-20 - - - ses on standard or

