

### HL 450



#### Specification

- Power Source: Emitter - 12V DC (Battery Included)
- Receiver (Inner): 4.5V/DC (Three 2# Batteries)
- Out Connected: 6-10V/DC
- Working Frequency: 433Mhz
- Distance:  $\geq 50m$  (Wide Place)
- Sound Type: "Ding-Dong" (Required by consumer)



### HL 451



#### Specification

- Power Source: Emitter - 12V DC (Battery Included)
- Receiving: 3V/DC(2x1.5V)
- Working frequency: 433Mhz
- Distance: 100m( open position )
- Sound level: 60 db max
- Sound type: 16 kinds of music



### HL 490



#### Smoke Detector

- Alkaline 9 V
- Loud Alarm 85db
- Batery Supplied
- Alarms for 10 Minutes

### HL 480

BLACK  
WHITE



- Operation Voltage: 220-240V / 50-60Hz
- **Detection Distance:** 10  $\pm$  2 m Max. (<24°)
- **Time-delay:** 5 sec ~ 8 $\pm$ 3 min.
- **Ambient Light:** < 10Lux ~ 2000Lux



### HL 481

BLACK  
WHITE



- Operation Voltage: 220-240V / 50-60Hz
- **Detection Distance:** 8  $\pm$  1 m Max. (<24°)
- **Time-delay:** 5 sec ~ 10 $\pm$ 2 min.
- **Ambient Light:** < 10Lux ~ 2000Lux



### HL 482

BLACK  
WHITE



- Operation Voltage: 220-240V / 50-60Hz
- **Detection Distance:** 8  $\pm$  2 m Max. (<24°)
- **Time-delay:** 5 sec ~ 8 $\pm$ 3 min.
- **Ambient Light:** < 10Lux ~ Sunshine



### HL 483

BLACK  
WHITE



- Operation Voltage: 220-240V / 50-60Hz
- **Detection Distance:** 8  $\pm$  2 m Max. (<24°)
- **Time-delay:** 5 sec ~ 9 min.
- **Ambient Light:** < 3Lux ~ 1000Lux
- **Sound Control Sensitivity:** 30db ~ 90db



### HL 470



- Operation Voltage: 220-240V / 50-60Hz
- Ambient Light: <50Lux
- Load Power: 1000W (6A)



### HL 471



- Operation Voltage: 220-240V / 50-60Hz
- Ambient Light: <50Lux
- Load Power: 1200W (10A)



### HL 472



- Operation Voltage: 220-240V / 50-60Hz
- Ambient Light: <50Lux
- Load Power: 1800W (15A)



### HL 472



- Operation Voltage: 220-240V / 50-60Hz
- Ambient Light: <50Lux
- Load Power: 2700W (25A)



### HL 473



- Operation Voltage: 220-240V / 50-60Hz
- Ambient Light: <50Lux
- Load Power: 1200W (10A)



## ELECTRONIC BALLAST

HL 380 10W  
HL 381 15W  
HL 382 18W  
HL 383 30W  
HL 384 36W



HL 385 2x18W  
HL 386 2x36W



HL 387 4x18W  
HL 388 4x36W



- Operation Voltage:  
220-240V / 50-60Hz



## ELECTROMAGNETIC BALLAST

HL 350 10W For PL or PLC Lamp  
HL 351 13W For PL or PLC Lamp  
HL 352 18W For PL or PLC Lamp  
HL 353 26W For PL or PLC Lamp



HL 355 18W For Fluorescent Lamp  
HL 356 36W For Fluorescent Lamp



HL 389 125W For Mercury Lamp  
HL 390 250W For Mercury Lamp  
HL 391 400W For Mercury Lamp



HL 392 70W Metal Halide Lamp  
HL 393 150W Metal Halide Lamp  
HL 394 250W Metal Halide Lamp  
HL 395 400W Metal Halide Lamp

**NEW**

- Operation Voltage:  
220-240V / 50-60Hz



## ELECTROMAGNETIC TRANSFORMER

HL 360 12V, 50W



HL 361 12V, 105W



- Operation Voltage:  
220-240V / 50-60Hz



## ELECTRONIC TRANSFORMER

HL 370 12V, 60W  
HL 371 12V, 105W  
HL 372 12V, 150W



- Operation Voltage:  
220-240V / 50-60Hz



## ELECTRONIC TRANSFORMER

HL 373



- Dimmable
- Short Circuit Protection
- Over-Load Protection
- EMC Approved
- Pri: AC220-240V/50-60Hz,0.23A
- Sec: AC11.6v,4.3A
- Rated Load: 50W
- TA: MAX. 45°C TC: MAX. 70°C

HL 374



- Dimmable
- Short Circuit Protection
- Over-Load Protection
- EMC Approved
- Pri: AC220-240V/50-60Hz,0.46A
- Sec: AC11.6v,8.8A
- Rated Load: 100W
- TA: MAX. 45°C TC: MAX. 70°C



HL 375



- Dimmable
- Short Circuit Protection
- Over-Load Protection
- EMC Approved
- Pri: AC220-240V/50-60Hz,0.60A
- Sec: AC11.6v,12A
- Rated Load: 150W
- TA: MAX. 45°C TC: MAX. 75°C

HL 376



- Dimmable
- Short Circuit Protection
- Over-Load Protection
- EMC Approved
- Pri: AC220-240V/50-60Hz,0.80A
- Sec: AC11.6v,16A
- Rated Load: 200W
- TA: MAX. 45°C TC: MAX. 75°C

HL 377



- Dimmable
- Short Circuit Protection
- Over-Load Protection
- EMC Approved
- Pri: AC220-240V/50-60Hz,1.0A
- Sec: AC11.6v,21A
- Rated Load: 250W
- TA: MAX. 45°C TC: MAX. 75°C



## METAL HALIDE BALLAST KITS

HL 396 70W



- Built-in suitable ignitor,  
ballast, capacitor
- Operation Voltage:  
220-240V / 50-60Hz

HL 397 150W



**NEW**

HL 580



HL 581



HL 582



HL 583



HL 584



HL 585



HL 586



HL 587



HL 550

10 cm  
15 cm  
20 cm



HL 551

15 cm



HL 560

78 mm



HL 561

118 mm



HL 590



HL 591



HL 592



HL 593



# Starters

S2  
S10



220-240V  
SINGLE  
4-6-8-15  
18-22W

110-130V  
SINGLE  
220-240V  
SERIES  
4-22W



220-240V  
SINGLE  
4-65W