



**CETO UMR-902** is a Universal Motion Remote with a motion sensor, programmable for unparalleled energy savings up to 60% in the operation of any air-conditioning system that incorporates a built-in remote-control receiver. **CETO** can detect human motion within a 25-foot distance and control the operation of an air-conditioner according to the presence of human motion and can be programmed to turn the air-conditioner completely off or have the setting temperature increased to a desired setting for incredible energy savings.

It is capable of operating over 6,000 different brands and models of air-conditioners.

## BRAND CODE Setting

- Find the code from the brand code list. If there are too many codes for one brand, try the first. If it doesn't work, please try the second until it does work. For example: **MITSUBISHI**, first you try '0476', if it doesn't work, try '0477'.
- Press the '**SELECT**' button for 3 seconds and the brand code on the LCD will flash. Press ▼ or ▲ until the required brand code appears. Pressing the '**MODE**' button allows each press to increase the code value in increments of a hundred. Then press the '**ENTER**' button, the brand code will stop flashing. Setting is complete, and you can control your air conditioner.

## AUTO-SEARCH Code Setting

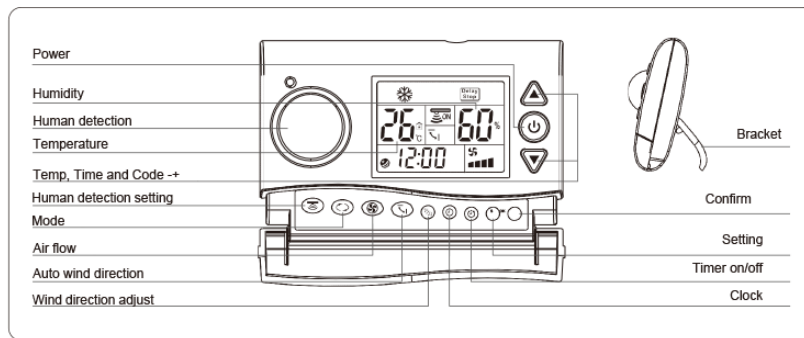
If you don't know the brand of your air-conditioner or can't find the required brand from the brand code list, please operate as per the following steps:

- Press and hold the '**SELECT**' button for 6 seconds, then release it (the code displayed on the LCD screen increases automatically). When the air-conditioner receives the corresponding signal and produces a buzzer sound, press any button to confirm the setting quickly.
- After turning on the air conditioner, try other function buttons. If they don't work, repeat above steps until they do.

## PIR Human Detection Setting

The '**PIR**' button is used for '**ECO**' and '**DELAYED STOP**' functions. **ECO** function is the default setting for COOLING, HEATING and DRY modes. The '**DELAYED STOP**' function is disabled when **CETO** is in **ECO** mode.

Every time the air conditioner is turned on or switched between different modes, the **ECO** function sign will be displayed. In **ECO** Mode, the air-conditioner will automatically adjust temperature settings once there is no motion detected within the given time. In '**DELAYED STOP**' mode, the unit will stop running after the set time and will not turn back on automatically when motion is detected.



## DELAYED STOP

**DELAYED STOP** function is disabled when **CETO** is in **ECO** Mode. To cancel the **ECO** setting and switch to **DELAYED STOP**, press and hold the '**PIR**' and '**ENTER**' buttons for 3 seconds, then press the '**PIR**' button to enter the **DELAYED STOP** setting.

Pressing the '**PIR**' button at any time will cancel the **DELAYED STOP** function. When **CETO** is turned OFF then back ON, it will switch back to **ECO** as the default setting.

- **Default setting:** Will turn off the A/C in half an hour without any motion detection. This time is adjustable.
- **Setting method:** Press '**TIMER**' and '**SWING**' buttons simultaneously to enter the time setting mode. Then press **TEMP+** or **TEMP-** to adjust time, each press will increase or decrease the setting for 0.5 hours (range is 0.5 – 4 hours).
- Press '**ENTER**' to finalize the setting.
- Air-conditioning unit will not turn back on automatically when any motion is detected.

## ECO Function

**ECO** function is the default setting for COOLING, HEATING and DRY modes, and is active each time the air conditioner is turned on or switched between different modes.

To cancel the **ECO** setting, press and hold the '**PIR**' and '**ENTER**' buttons for 3 seconds.



**ECO** setting is invalid in the FAN ONLY (Ventilation) mode.

- **Default setting:** After 15/30 minutes, the temperature rises to 26/30C in cooling mode, and 20/16C in heating mode. Time and temperature are both adjustable.
- **Setting method:** Press '**TIMER**' and '**MODE**' simultaneously to enter the time setting. Then press **TEMP+** or **TEMP-** to adjust time. Each press increases 5 minutes (range is 5 – 60 minutes). Press '**ENTER**' to finalize the setting.
- Press '**TIMER**' and '**FAN**' simultaneously to enter the temperature setting. Then press **TEMP+** or **TEMP-** to adjust the temperature of the first **ECO** period set. Each press increases the temperature by 1C (range is 1 – 14C). Press '**ENTER**' and the second period of temperature can be set. Press '**ENTER**' to confirm the settings.
- In **ECO** mode when any motion is detected, the air-conditioning unit will reset back to its original setting.



## C / F Function

- **Default setting:** F (range 61 – 86F or 16 – 30C) adjustable in 1-degree increments for either F or C.
- **Setting method:** Press **TEMP+** and **TEMP-** simultaneously to convert C to F and vice versa.

## NIGHT LIGHT Setting



- To turn on the night light, press the **'MODE'** and **'ENTER'** buttons simultaneously.  
You will see  displayed on the LCD. This indicates the night light function is on.  
To turn off the night light, press the **'MODE'** and **'ENTER'** buttons simultaneously.  
The  will disappear from the LCD display.
- The light will turn on when motion is detected. It will turn off in 15 seconds when you go to bed or leave the room, making it convenient and energy-saving.

## CLOCK Setting

- Press the **'CLOCK'** button; the clock on the LCD will flash.
- Press the  and  buttons to adjust the current time
- Press the **'CLOCK'** button again, the clock on the LCD will stop flashing, indicating the setting is finished (if you don't press the **'CLOCK'** button, it will be finished automatically after 10 seconds).



## TIMER ON Setting

You can set the timer on only after turning off your air-conditioner.

- Press the **'TIMER'** button, the clock signal **'ON'** appears on the LCD and time-flashes.
- Press  and  buttons to adjust the time you want to turn on the air-conditioner.
- The indicated time will cease flashing after 10 seconds. The LCD will display the current time and timer signal **'ON'**. Then the setting is completed.

## TIMER OFF Setting

You can set the timer off only after turning on your air-conditioner.

- Press the **'TIMER'** button, the clock signal **'OFF'** will appear and time-flash on the LCD display.
- Press  and  buttons to adjust the time you want the air-conditioner to turn off.
- The displayed time will stop flashing after 10 seconds. The LCD will display the current time and timer signal **'OFF'**. This indicates the timer OFF setting is finalized.
- The time range you can set is 00 – 24 hours.
  - 1) Press the **'TIMER'** button twice in succession, the timer ON/OFF function is now canceled.
  - 2) Press the **'TIMER'** button to check the time of the timer on the LCD display.
  - 3) After the timer setting finalizes, ensure the remote is aiming at the air-conditioner and within effective range, otherwise the setting would be invalid.

## CETO SMART INSTALLATION

- The unit can be placed on a desk or table with its own stand.
- For wall-mounting, please use the two small screws provided in the package and install them at eye level with 2 3/4" (70mm) spacing between each mounting hole.
- Mount **CETO** at a visible location that will communicate with the air-conditioning unit receiver with no major obstacles between the two. The unit is provided with multi-angle signal transmission.
- No wiring will be required for this installation.

### CETO Technical Parameters

**Distance to A/C Unit:** 25 ft ( 8 m )

**Power:** DC 4.5 V ( 3 AAA batteries, not included )

**Battery Life:** Apx. 6 months

**Dimensions WxHxD in (mm):** 4 3/8 x 1 3/4 x 7/8 ( 112 x 44 x 22 )

**Weight:** 3 Oz ( 80 gr. )

# CETO

e-mail: [info@cetosmart.com](mailto:info@cetosmart.com)

[www.cetosmart.com](http://www.cetosmart.com)

# CETO SMART OPERATION MANUAL

## BRAND CODE TABLE

Brand	Model Code	Brand	Model Code	Brand	Model Code
ACSON	0234, 0468	CONIA	0297-0300, 0349, 0570, 0571	GEER	0002, 0012
ACTRON AIR	0573	CONROWA	0377, 0889, 1315, 2937	GENERAL	0127-0137, 0464, 0552-0554, 2000, 3712
AGER/AGREE	0489, 0785, 0107, 0108	CONSUL	0463, 1999, 3535, 4335-4650	GLEE	0313, 2446, 2959, 5260
AIRWELL	0529, 0555-0558	COOL PARTS GC	0416-0418, 0002, 0456	GOLDSTAR	0201, 0466-0469, 1737, 3539
AITE	0002, 0012, 0292, 0326	COOLINE	0187, 0206	GREE	0309-0316, 0398, 0399, 0482, 0490, 0512, 0513, 0591
AKIRA	0310, 0311	CORONA	0155-0163, 0459, 2204, 3531	GUQIAO	0244, 0291, 1268, 2851
ALPIN	0252, 0253, 1276, 1789	COUNTRY AIR	0560	HAIER	0266-0272, 0346, 0453-0455, 0538, 0539
AMCOR	0050, 0246, 0302, 0449	DAEWOO	0203-0209, 0406, 1430, 3792	HELLER HOFFWEL	0107, 0282, 0289, 0292, 0299
AMICO	0555-0558	DAIKIN	0171-0183, 0566, 0567, 0574, 0577, 0583	HISENSE	0332-0335, 0505-0506, 0517, 1868, 2895
ARENA	0206, 0212, 0229	DEC/DHL	0504, 0592	HITACHI	0118-0126, 0605-0607, 1656, 2173
ARISTON	0251, 0265	DELONGHI	0232, 0482, 0484	HOFFWELL	0811
ARLEC	0202	DERBY/DVINCHI	0311, 0289, 0400	HOMEMAKERS	0091, 0297-0300, 0451, 0810
AUCMA	0288-0296, 0302, 0462, 1826, 3534	DL	0302	HUABAO	0336-0344, 2384, 2903, 4905
AUSSIE AIR/ARD	0297, 0282, 0287	DOCTOR	0221, 0449, 0499, 1473, 3805	HUAKE	0408, 0920, 1501, 3480
AUX	0297-0300, 0451, 0474, 0475, 0599, 1834, 3011	DONGBAO	0219, 0355-0361, 1897, 2918, 4652	HUALING	0317-0325, 0452, 0207, 0234, 0261, 0523, 2365, 3524
BANSHEN	0254, 1288, 2824	DONGXINBAO	0413, 1505, 3485, 4700-4768	HUAMEI	0402, 0460-0465, 2962, 3986
BLUESTAR	0251, 0265	ELCO	0555-0558	HUIFENG	0370, 2418, 3442
BLUEWAY	0300	ELECTRA	0555-0558	HUIKANG (HICON)	0016, 0368, 0441-0443, 0207, 1978, 3440
BOERKA	0353, 0434, 0436, 0437, 3506	ELECTROLUX	0216-0220, 0268, 0300, 0534, 0569, 1244	HYUNDAI	0012, 0202, 0297, 0345, 0433, 0466, 0480, 0555, 0551, 3552
BRIVAS	0107	EMAILAIR	0127-0135, 0553, 0556, 0558	INNOVAIR	0047, 0260-0265, 0332-0335, 0505-0506, 0517, 0526, 1801, 1868, 2820, 2895
BOREAL	0309-0316, 0396, 0399, 0482, 0490, 0512, 0513, 0591	FEDDERS	0486, 0499, 0500, 0528, 4804, 4820-4900	JBS	0202, 0273
CARRIER	0203-0209, 0235, 0456-0458, 0468, 0563-0565, 0590-0592	FERROLI	0585	JDC	0373, 0440, 2488, 3957
CELESTIAL	0307	FRESTECH	0277, 0489, 0495-0497, 0519, 0520, 0534, 0048, 0261, 0448, 2325	JET-AIR/JBS	0169, 0202
CHANGHONG	0301-0308, 0046, 2349, 3890, 4905	FUJITA/FUJIAIRE	0265, 0297	JIANGNAN	0432, 1456, 3607, 4906-4915
CHANGLING	0002, 0012, 0119, 0191-0192, 0261, 0298, 0369, 0630-0633	FUJITSU	0127-0137, 0464, 0552-0554, 0118	JINDA	0414, 1950, 3998, 4555-4669
CHIGO	0379-0382, 0444-0447, 0489, 0515, 0610, 0261, 1912, 2940	FUNAI	0430, 0481, 3041, 3502	JINSONG	0389-0391, 0446-0448, 3463
CHOFU	0184-0187, 1208, 2233, 4330	FUNAI/FUJIN	0430, 0481, 0802, 0942, 0002	JOHNSON	0492, 0555-0556, 2028, 3829
CHUNLAN	0345-0350, 0450, 0453, 0545-0546, 3522	FSD COOLING	0573		
CLIMA VENETA	0572	GALANZ	0371, 0372, 0521, 0534, 1908, 2931		
		GE	0047		

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KANGLI	0374, 0375, 1911, 2442	PANDA	0378, 1914, 3952, 5257-5259	SWAN	0434, 0477, 0516, 0524, 2994	TADIRAN	0246-0251, 0591, 0759, 1787, 5701
KELON	0282-0287, 0416-0418, 0473, 0485-0488, 0501, 0534	PHILCO	0210, 0211, 0487, 0488, 1234	TATUNG	0419, 0420, 2980, 3491	TCL	0246, 0273-0281, 0468, 0476, 0493, 0534, 0570, 0786
KLIMAIRE	0260-0265, 0526, 1801, 2820	PILOT	0591	TECO	0256, 0473-0475, 1497, 3940	TIANDI	0415, 1439, 3999, 5720-5759
KLIMATAIR	0225, 0226, 0452, 3297	PIONEER	0260-0265, 0526, 1801, 2820	TIANDI, MICOM	0415, 0131, 0017	TITANIUM	0339
KOLIN	0416-0418, 2466, 3488	POLARICE	0571	TOSHIBA	0107-0117, 0479, 0489, 0561, 0562, 1001	TOYO	0002, 0012
KONKA	0397, 0457-0459, 3017	PROTON	0421-0423, 0934, 2981	TRANE	0227-0232, 0512, 0595, 0739, 1101, 1768	UNI-AIR	0222-0224, 0450, 1986
LENNOX	0017, 0260-0265, 0435, 0301	RAYBO	0362-0367, 2410, 3435, 5278	UNIVERSAL	0002, 0484	VOLTA	0002, 0197, 0260, 0261, 0285, 0498
LEVANTE	0106	RHOSS	0484	WAN BAO	0138-0154, 0483, 0652, 0995	WEATHERMAKER	0203-0209, 0235, 0456-0458, 0468, 0482-0486, 0563-0565, 0590-0592
LG	0197-0200, 0514, 0534, 0572, 2248	ROWA	0369, 0438, 0439, 0494, 0527, 0531	WEILI	0393-0396, 1420, 1932	WHIRLPOOL	0506, 0993, 1526, 3748, 5800-5996
LIANGYU	0233, 0451, 1987, 3817	SABRO	0435, 0506-0508, 0947, 3578	WINIA	0481, 0550	XILENG	0411, 0412, 0924, 1947
LITTLE DUCK	0015-0020, 0527, 0530, 0532, 1039	SACON	0002, 0288	XINLE	0400, 0401, 0913, 2960	YANGZI (YAIR)	0403, 1427, 2451
LITTLE SWAN	0434, 0477, 0516, 0524, 2994	SAIJO DENKI	0212-0215, 0724, 2262	YANGZI	0258, 0259, 0330-0331, 0326-0331, 0478, 0303, 0364, 0381, 0838	YINYAN	0107, 0235, 0238-0243, 0468, 0501-0502, 0576, 0573, 0590-0592, 0751, 1778
LOREN-SEBO	0265, 0471, 0472, 2007, 3327	SAMPO	0424-0426, 1448, 2985, 5450	YUETU	0002, 0534	ZHEN BAO	0127-0137, 0464, 2000, 3711
LUXAIRE	0297	SAMSUNG	0188-0196, 0516, 0518, 1212				
MCQUAY	0234-0237, 0465, 0468, 0472, 0567, 0587, 1489, 2794	SANYO	0046-0095, 0529, 0530, 0558, 0559, 1070				
MICOM	0415, 1439, 2465, 3487	SAST	0002, 0012				
MIDEA	0260-0265, 0526, 1801, 2820	SASUKI	0254, 0470, 1494, 2814				
MISAKAE	0234-0237	SENSOR	0046, 0071				
MISTRAL	0237	SHANGLING	0394-0398, 0444, 0445, 3407				
MITSUBISHI	0001-0045, 0476-0479, 0522, 0523, 0552, 0553, 0568, 0582, 5000	SHANXING	0392, 0449, 0612, 0904, 1985				
NEC NATIONAL	0138-0154, 0200	SHARP	0096-0106, 0525, 0542, 1122				
NIKKO	0462, 0519	SHENGFENG	0376, 0480, 0888, 1911				
NISO	0013, 0016	SHINCO	0351-0354, 0454-0456, 3935				
NORITZ	0431, 0943, 2991, 5005-5256	SHUAIKANG	0002, 0288, 0800, 5450-5643				
OGENERAL	0127-0137, 0464, 0552-0554	SHUANGLU	0376, 0404-0407, 0480, 1400				
OITEC-OMEGA	0489, 0524, 0359, 0360, 0505, 0506, 0524	SKYWORTH	0359-0361				
OMNI	0146, 0262	SONGGE	0428, 0429, 2998, 3501				
PANASONIC	0138-0154, 0483, 0490-0492, 2714, 3722	SOVA	0409, 0410, 1433, 2457				
		STARIGHT-AIRCON	0283				
		STARWAY	0345-0350, 0450, 0453, 0545-0546				
		SUMMER	0427, 1963, 5644-5700				
		SUNDURG	0257, 0505, 1529, 2305				