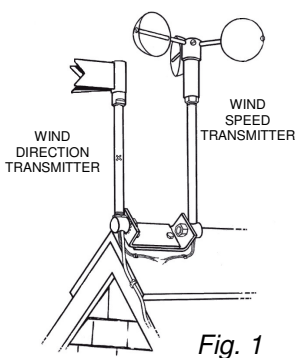


Installing the *Cape Cod*[®] Wind Direction Indicator

(Post-2013 LED Model)

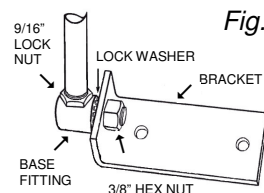
PLEASE READ CAREFULLY BEFORE STARTING INSTALLATION. Anyone with a ladder and a few hand tools can do the job in an hour or two. If you prefer not to install the instrument yourself, a handyman or electrician can do it for you. Regardless of who does the installation, *the owner should become familiar with these instructions.* Incorrect installation or misuse will shorten the life of the product, impair its performance, and void the warranty.

The *Cape Cod*[®] Wind Direction Indicator consists of a small transmitter outdoors connected by a cable to the indicator dial indoors. The wind direction is indicated by the illumination of compass points on the dial. The instrument uses 6 volts D.C. power through the adapter plug provided.



Install this instrument and the *Cape Cod*[®] Wind Speed Indicator at the same time, if you have both, to take advantage of several simplifications in the combined installation (Fig. 1).

1. Place the L-shaped mounting bracket on the transmitter base fitting, between the 3/8" hex nut and the lock washer (Fig. 2).



2. Using the lag screws, mount the transmitter on *top* of the ridge on the highest roof peak, a couple of inches in from the end, where a free flow of wind will be obtained from all directions (Fig. 3). The mounting bracket can be adjusted to accommodate any roof pitch. (The mounting bracket can be superimposed over that of the wind

speed indicator, aligning the two lag screw holes, for a simpler and more compact roof installation; Fig. 1.) The transmitter can be mounted on a chimney, if desired, using masonry screw anchors.

Do not mount the wind direction transmitter on a TV antenna or pipe mast: vibration of the mast interferes with the transmitter's operation and reduces its life expectancy.

With a small spirit level, adjust the mounting fittings so that the transmitter is vertical, then securely tighten the 3/8" hex nut. The transmitter *must* be vertical for proper operation. Loosen the thin 9/16" lock nut at the bottom of the pipe and rotate the pipe until the "X" mark on it faces north, then gently retighten the lock nut (Fig. 3).

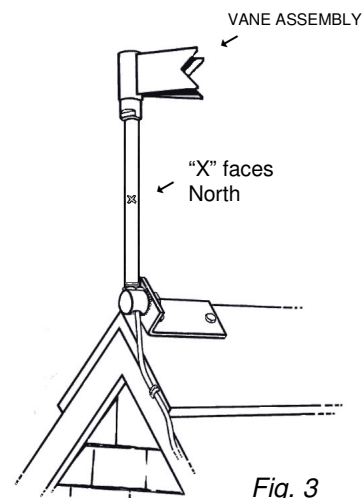
(The twisted pair of gray wires exposed at the base of the direction transmitter are spares that can be used to wire the wind speed indicator, to save running a separate lead-in wire.)

Always keep the transmitter upright, with its vane assembly in place, when out in the weather to prevent water from entering the switching mechanism.

3. Run the 50' coil of cable down the trim of the building to the point on the outside wall opposite the indoor location chosen for the dial, being sure to staple the cable down every foot or so using the insulated staples provided. Where stapling is not feasible, such as over metal or masonry, anchor the cable with dabs of silicone rubber.

Anchor the cable well! If it can flex or chafe, it will fail; properly secured, it will last a lifetime.

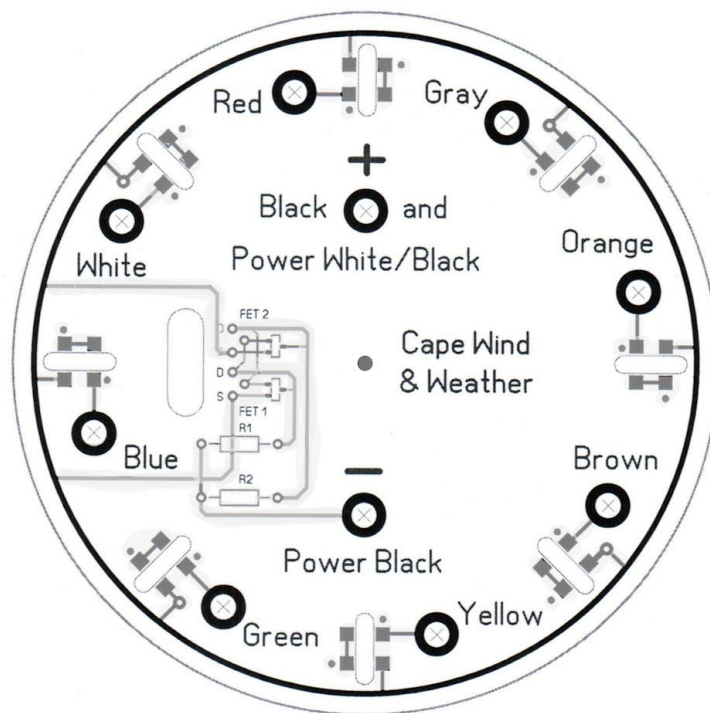
This special 11-conductor, color-coded, combination cable is not sold by stores. Additional lengths can be obtained from the manufactory (address below) for 49¢ per foot, plus shipping (and sales tax in Massachusetts). Splice on the extra cable with solder and tape, matching color to color, and staple it down carefully, using insulated staples.



4. Drill a 1/4" hole in the wall, from indoors out, slanting downward, directly behind the proposed dial location, then fish the cable in through the hole. On the back of the dial, back out each screw by turning counter-clockwise for 2-3 revolutions (no more than 4 revolutions or the screw may pop out). Loop the bare end of the corresponding colored wire around the screw, then tighten the screw securely. The Black wire in the cable is the common wire and connects to the “+” (positive) power terminal.

Excess cable can be left within the wall, or cut off and saved. (*Note: The wind direction circuit uses only 9 of the 11 wires in the cable. The twisted pair of gray wires is not needed for the wind direction indicator; it is a spare pair that can be used to wire the Cape Cod® Wind Speed Indicator, if you have both instruments.*)

5. Connect the two wires from the adapter plug to the power terminals on the back of the dial. The black wire from the plug connects to the “-” (negative) terminal at the bottom. The white-striped wire connects to the “+” (positive) terminal at the top, along with the Black wire coming down from the roof. Thus the “+” terminal holds *two* wires: the white-striped power wire and the Black wire coming down from the roof. After all the wires are connected, insert the adapter plug into the outlet.



Wind Direction Dial LED Circuit Board

CAUTION: Use only the ADAPTER PLUG provided to avoid an overload and possible serious damage to the instrument.

6. Behind the dial, push any extra cable back into the wall and fasten the dial to the wall with the 3 brass wood screws. For sheet rock and plaster walls use small wall anchors available from your local hardware store. Outdoors, staple down any slack in the cable. Form a small "drip loop" in the cable by running it down an inch or two below the hole before it enters the wall. Seal the hole outside with silicone rubber or caulking compound.

This instrument requires **no** lubrication or other maintenance. If repair or replacement parts are ever needed, mail the part of the instrument requiring attention, accompanied by your correspondence, to the manufactory at the address below (do not return to the dealer). Include your street address for prompt return by U.P.S. We recommend calling first, as we may be able to solve your problem over the phone.

189 Route 28
West Harwich, MA 02671



Phone: 508-432-0970
Toll-free: 877-438-2294
Fax: 508-430-6020

Web site: www.capecodwindandweather.com

E-mail: service@capecodwindandweather.com

Keeping an eye on the weather since 1939!