



# DR Series

## PUSH BUTTON & AUTOMATIC STEEL HAND & HAIR DRYER TECHNICAL SPECIFICATIONS



**DR-N, DR-NH Series**  
White, Push Button



**DR-TN Series**  
White, Automatic



**DR-NSS, DR-NHSS**  
Stainless Steel,  
Push Button



**DR-TNSS Series**  
Stainless Steel,  
Automatic



**DR-TNSSR Series**  
Stainless Steel,  
Automatic, Recessed

The DR series push button and automatic hand and hair dryers offer exceptional construction, durability and performance. Our best selling series comes standard with a 10-year limited warranty. Options include a stainless steel cover with satin finish, a fixed nozzle and recessed mounting.

PUSH BUTTON HAND DRYING		PUSH BUTTON HAIR DRYING		AUTOMATIC HAND DRYING		ELECTRICAL RATINGS			
Model	Drying Cycle	Model	Drying Cycle	Model	Drying Cycle	Volts	Amps	Watts	Hertz
DR10N	40 sec	DR10NH	80 sec	DR10TN	Automatic	110-120	15	1725	60
DR20N	30 sec	DR20NH	80 sec	DR20TN	Automatic	110-120	20	2300	60
DR30N	30 sec	DR30NH	80 sec	DR30TN	Automatic	208-240	10	2300	60
DR50N	30 sec	DR50NH	80 sec	DR50TN	Automatic	220-240	10	2300	<b>50*</b>

**OPTIONS:** **Stainless Steel Cover** is available on all models by designating **(SS)** after model number. **\* 50 Hz for export only.**  
**Fixed Nozzle** is an option on all models by designating **(F)** after model number.  
**Recess Mounted** is available on all models by designating **(R)** after model number or order kit separately (specify color).

### FEATURES/MATERIALS:

#### ● Cover

One piece industrial drawn 16 gauge reinforced steel or 18 gage reinforced type 304 stainless steel satin finish.

#### ● Finish

Electrostatically applied white enamel or stainless steel satin finish. Resistant to chipping and cleaning agents.

#### ● Tamper-Resistant

One tamper-resistant screw and a 3" steel latch, lock cover securely to base. Air intake vents, internal shield and side mounted heating element are for additional safety.

#### ● Nozzle & Push Button

Chrome plated zinc die castings. 360° revolving nozzle is standard. A fixed nozzle is optional on all models.

#### ● Nameplate

Indented and uses universal graphics.

### MECHANISM:

#### ● Motor

Instant starting, maintenance-free, brushless motor. 1/10 HP, 3200 RPM, with self lubricating bearings. Protected by an automatic resetting circuit breaker. Our motor requires no fuses, oiling or brush replacement - 100% maintenance-free. Has considerably more life and quieter operation than competition using brush type motors.

#### ● Timer

Push button models use a heavy duty cam-operated timer. Sealed for protection and has positive stop action. Turn on with a light touch. Turns off automatically.

#### ● Automatic Sensor

Automatic models are activated by a 100% solid state infrared sensor, which automatically turns dryer on and off. Only runs, when hands are below nozzle, for a maximum of 80 seconds. Sanitary and energy efficient. Has over 10 times more life than competitor's using mechanical relay switching.

#### ● Heating Element

Side mounted for safety and runs in black heat range for longer life. Element is not accessible through nozzle and is protected by an automatic resetting circuit breaker (thermostat). It produces an air temperature of 130-145°F at a 72°F ambient room temperature.

## Architect's Specifications

The dryer shall be manufactured by American Dryer to include a 16 gauge reinforced steel cover with a white enamel finish or 18 gage reinforced stainless steel cover with satin finish. Recessed units will include a 16 gauge steel wall mounting box. Motor shall be a shaded pole, **maintenance-free, brushless** type. Motor requires no brushes, oiling or fuses. This motor shall be thermally over-load protected, 1/10 HP, 3200 RPM. Dryer shall deliver **160 CFM at 5500 LFM**. Push button dryers shall be activated by a cam-operated mechanical timer.

Cover shall be attached with one tamper-resistant bolt and a 3" steel latch which locks it securely to base. Tamper-resistant air intake vents, internal shield and side mounted heating element are for additional safety. **Heating element** is protected by an automatic resetting circuit breaker. Nozzle and push button shall be zinc die castings with a chrome plated finish. Nozzle shall revolve 360° unless specified as fixed position. Entire dryer shall be listed under re-examination service of Underwriters Laboratories, Inc. and certified by the Canadian Standards Association. **Made in the U.S.A.**

## Installation (Surface Mount)

(Refer to recessed instructions for recessed mounting)

### WARNING: DISCONNECT POWER BEFORE INSTALLING

1. To remove cover, remove special Allen screw using wrench supplied. Place a hand on each side of cover and pull bottom toward you about 1/4 inch, then push cover up toward top of dryer, releasing cover from mounting plate latch. Lift cover off mounting plate by pulling forward at the bottom and upward at the same time. **DO NOT FORCE COVER OFF.**
2. Dryers should be placed at least 2 feet (61cm) apart and at least 12" (30cm) from washbasin. Do not install dryers over washbasin. Hold the backplate to the wall at the suggested mounting height. Measure from bottom edge of backplate to the floor.
3. Mark the locations of the four mounting holes and the conduit entrance location on the wall. (The conduit entrance is the proper hole diameter for 1/2 inch (13mm) conduit.)
4. Fasten the backplate to the wall where previously marked.

### RECOMMENDATION:

**Wood wall** - No. 16 (M8) wood screws, 2 3/4" (70mm) long

**Cement or brick** - 1/4" (M6) stud expansion bolts, 3" (76mm) long

**Hollow wall** - 1/4" (M6) toggle bolts, length depends on wall thickness

5. Run service wire to dryer location and connect to terminal block. **IMPORTANT:** All units must be supplied with a 3 wire service. Use No. 12 wire or larger as required by local electrical code. The ground wire must be connected to the dryer backplate. Unit must be installed by a qualified licensed electrician.

**Do not connect any unit to a branch circuit over 20 amps.**

Dryers located in shower rooms or other wet locations should be equipped with ground fault interrupter(s).

6. **Carefully** replace the cover using tamper-proof bolts supplied.

## Mounting Heights:

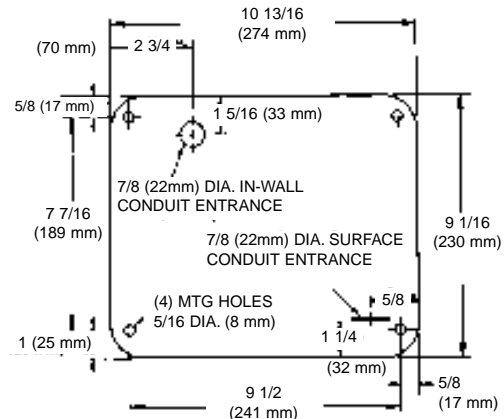
Suggested mounting heights from floor to bottom of dryer:

	MEN	WOMEN	CHILDREN	HANDICAPPED
"DR-N" Hand Dryer...	42" (107cm)	40" (102cm)	30-40" (76-102cm)	34" (86cm)
"DR-NH" Hair Dryer...	72" (183cm)	68" (173cm)	46-68" (117-173cm)	52" (132cm)

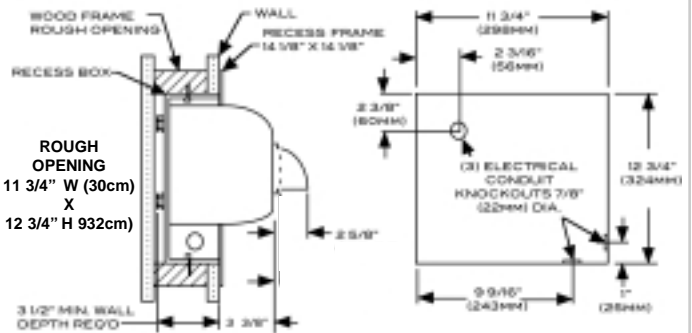
## Dimensions:

	WIDTH	HEIGHT	DEPTH	NET WEIGHT
Surface Mounted	11"	9-1/4"	6-5/8"	16 lbs. (7kg)
Recessed Mounted	14-1/8"	14-1/8"	3-3/8"	23 lbs. (10kg)

### DR Series Surface Mounted



### DR Series Recess Mounted



## Operating Costs

The only operating cost for the DR series hand dryer is electricity. Based on a cost of \$0.10 per KWH:

Cost per 1,000 hand dryings

DR series = \$1.92

Paper Towels = \$20.56

## Warranty

10-year limited warranty includes **same day** factory repair or part replacement. Sensor 3 years. See owner's manual for details.

