INSTRUCTION MANUAL

UC-300 Precision Health Scale

A&D

A&D Company, Limited

A&D
UC-300
Precision
Health Scale

Contents

When Using

The *UC-300 Precision Health Scale* is a highly accurate scale with display increments of 50g (0.1 lb.). So that your readings are accurate, please make sure that you take the following precautions:

↻ Always use the *UC-300* on a firm level surface. When used on carpets, you may have some problems with stabilization and repeatability (measurements taken right after each other being the same amount each time), deeper pile carpets can touch the top of the scale and effect accuracy.

↻ Step onto the center portion of the scale gently. If you step on some other part of the scale, an incorrect measurement may result. Also, never step on the display window itself.

↻ Never leave the scale wet, or in a moist atmosphere. It may damage the integrated sensor.

↻ Since the *UC-300* measures your weight to the nearest 50g (0.1 lb.), you may see a slight difference in your weight if you repeatedly step off and on the scale—mainly due to the way you position yourself or shift your weight between feet.
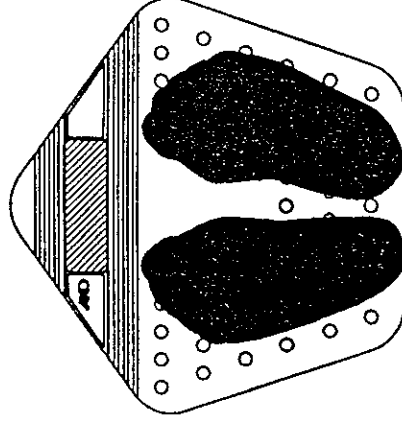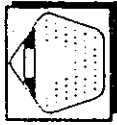
Installation

For accurate measurements, make sure that you place the UC-300 on a level firm surface, also make sure nothing touches the scale, and avoid deep pile carpets.

⊕ There is no power switch on the the UC-300: it has an automatic power off feature. Even if the power is turned on by mistake, it will shut off automatically in approx. 10 seconds.

Installing the Battery

Open the battery compartment on the back of the UC-300. Load the battery noting the indicated polarity (+) or (-) and close the lid.

If the battery warning mark appears, replace the battery with a new one.
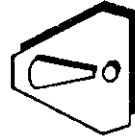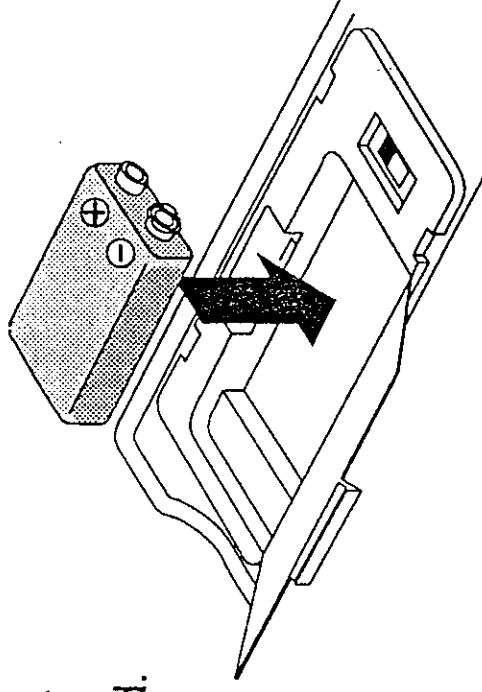
⊕ Remove the battery before transporting the UC-300, or the battery contacts may be damaged.

⊕ If you're not going to use the scale for an extended period, remove the battery
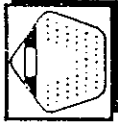
The UC-300 Precision Health Scale
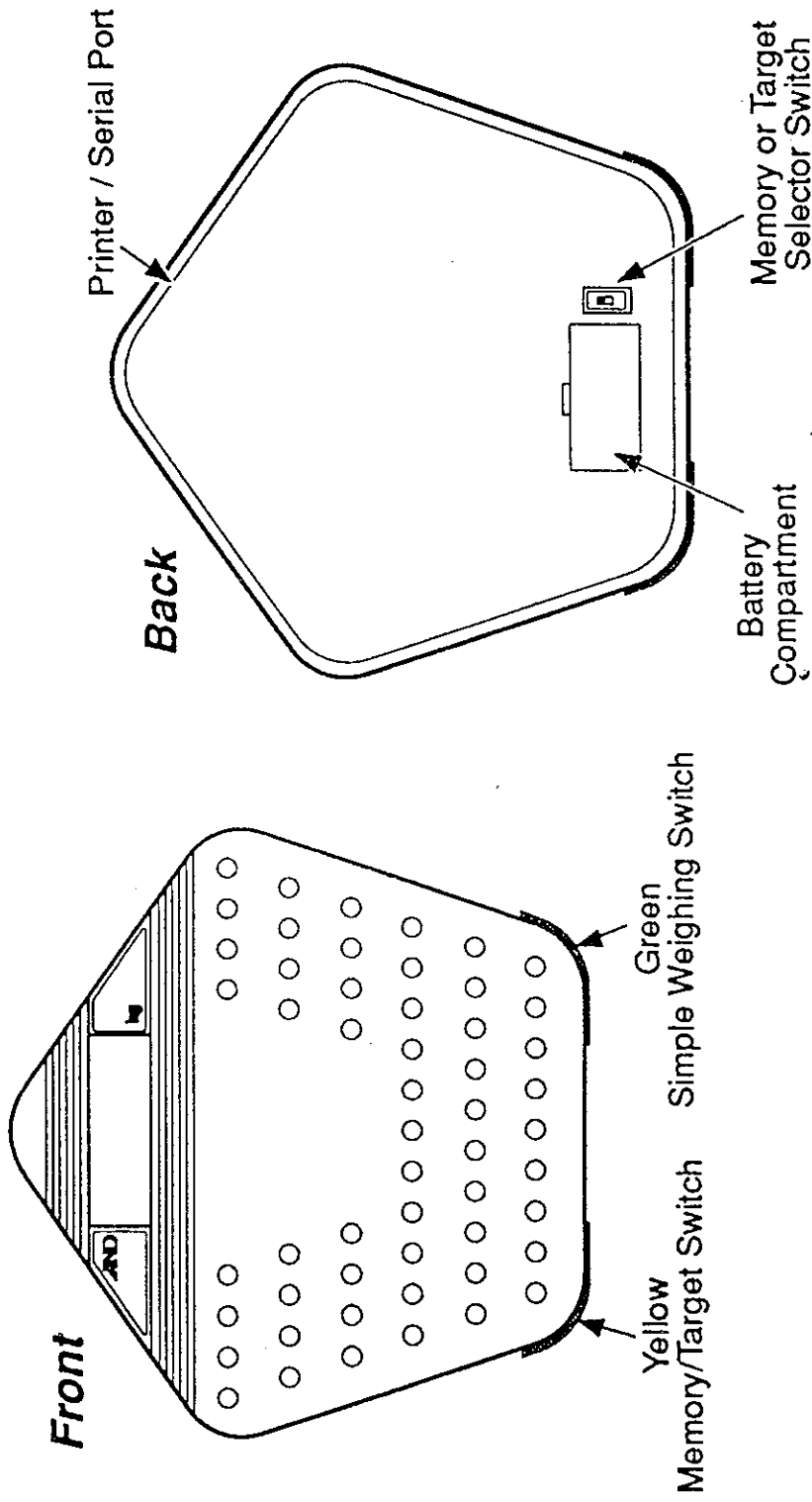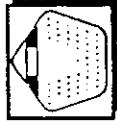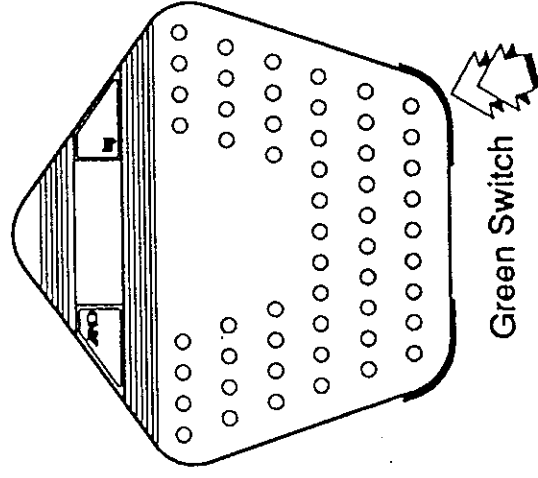
Front

Yellow
Memory/Target Switch

Green
Simple Weighing Switch

Back

Printer / Serial Port

Memory or Target
Selector Switch

Battery
Compartment

Simple Weighing

Green Switch

▲ ▲

○ ▼

OK mark

About 3 seconds

OK mark → ○

1 Press the green switch to turn the power ON, and wait for *000* to appear.

2 When the display shows *000* — step gently onto the scale. The 'O' OK mark will vanish.

↻ *Please be as still as possible while weighing.*

3 When the 'O' OK mark appears again, then weighing is complete.

4 Step off the scale. The power automatically shuts off.

↻ *Even if you stay on the scale, the power shuts off automatically.*
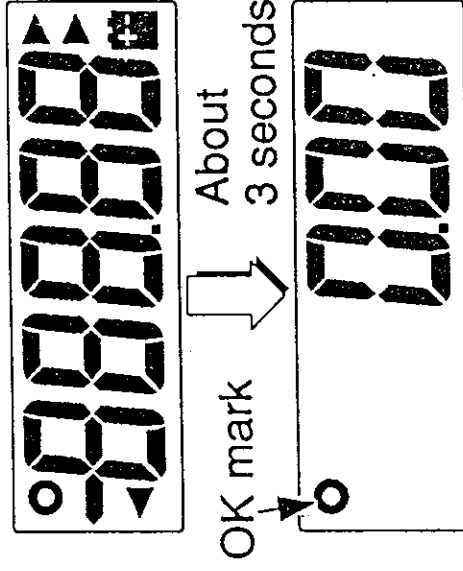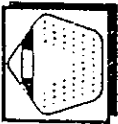
Weighing an Infant (or a pet, luggage, package, etc.)

The **UC-300** has the ability to cancel out (tare) any weight on the scale before the display goes to 0.00. So, the display can show added weight.

1 Press the green switch to turn the power ON, quickly step on the scale, *be as still as possible*, and wait for 0.00 to appear.

2 When the display shows 0.00 — step off the scale. Your weight will appear as a negative number.

○ *You have 10 seconds to step back on the scale with the item to be weighed, or the display will go off.*

3 Step back on the scale with the item to be weighed, *being as still as possible*, and wait for the display to show the additional item's weight.

4 Step off the scale. The power automatically shuts off.

○ *Even if you stay on the scale, the power shuts off automatically.*
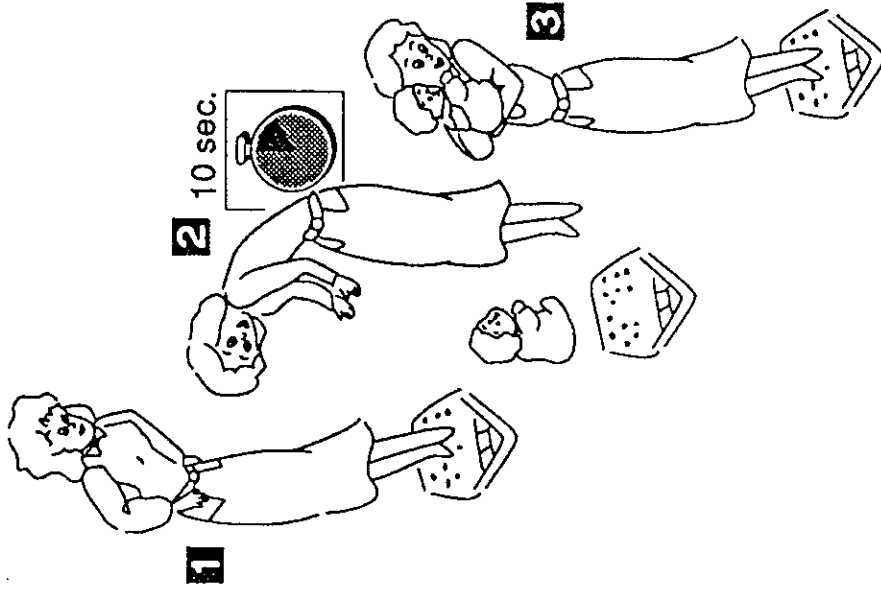
Another Method to Weigh a Held Object...

If you are not using the MEMORY function to track your daily weight—you can use to easily show the weight of an object that you hold (such as an infant) after measuring your own weight.

A Make sure the selector switch on the back is set to "MEMORY".

**1** Press the yellow MEMORY/TARGET switch to turn the power ON, and wait for 0.00 to appear (the last weight will appear briefly first).

2 Step on, and after the display shows your weight, step back off. The difference between your weight and the previous measurement will be displayed.

3 Holding the object you wish weighed, press the yellow switch to turn the power ON again, your measured weight will appear briefly, and the 0.00 will appear.

4 Step on (with the object you wish weighed) and after the display shows your new weight, step back off.

◇ The display will show the weight of the object as a "+ Gain".
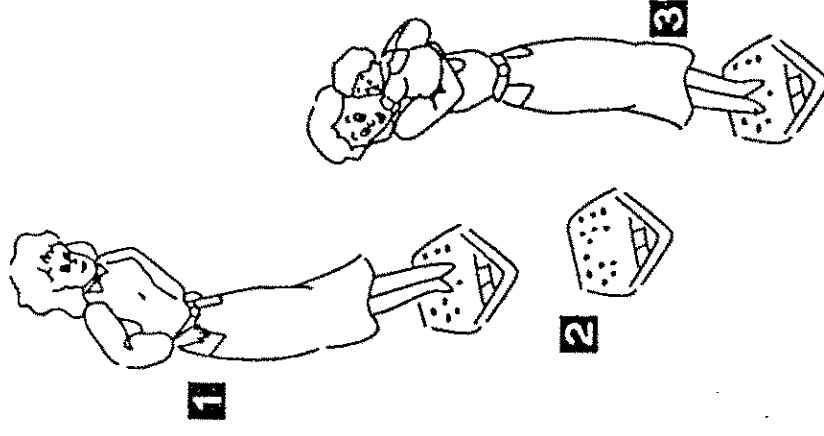
5.45 ▲ + GAIN

Canceling a Known Weight

You can cancel out the weight of a object by entering its weight into the TARGET function. For example, the weight of a baby's cradle, a set of clothes, a cage or other.

1. First, weigh the item's weight you want to cancel.

2. Then, enter the weight as the TARGET weight (see page 9, *Using the Target Function*).

3. Next, use the TARGET function (use the yellow MEMORY/TARGET switch) to weigh the object, plus whatever it is you want to know the weight of.

4. The resulting measurement will be shown as a "+" from the target weight stored in memory (in other words, the weight of what you were weighing, *without* the known weight you stored into the TARGET memory).

○ For example: you want to know the weight of a cat inside of its cage.

You first weigh just the cage, and it weighs 3kg.

You then enter 3kg as the TARGET weight.

Next, use the TARGET function (using the yellow MEMORY/TARGET switch) to weigh the cat inside of its cage.

The scale will cancel out the weight of the cage and show the weight of the cat.
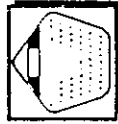
Using the MEMORY Function

The *UC-300* has the memory to store 31 previous measurements and display them. *This is done by setting the back selector switch to MEMORY and using the yellow switch to turn on the scale.*
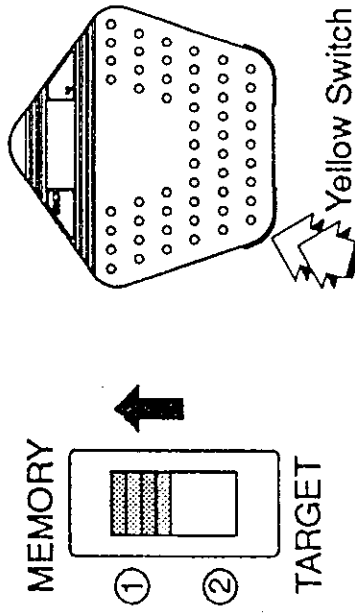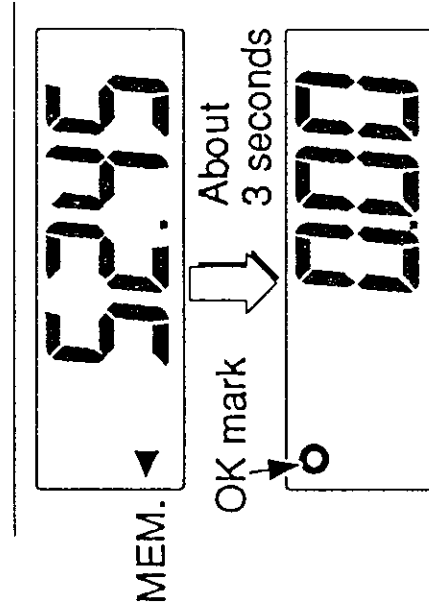
MEMORY

①

②

TARGET

→Yellow Switch

A Make sure the selector switch on the back is set to "MEMORY".

1 Press the yellow MEMORY/TARGET switch to turn the power ON, and wait for *0.00* to appear (the last weight will appear briefly first).

MEM. ▼ 52.45

OK mark →○ About 3 seconds 0.00

2 Step on, and after the display shows your weight (when the 'O' OK mark appears), step back off. The difference between your weight and the previous measurement will be displayed.
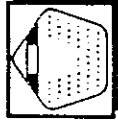
➊ The display will show a "+ Gain" or a "— Loss" from the last measurement in memory.

➋ If the MEMORY/TARGET switch is pressed again *before* the power shuts off, you can display the previously stored results. The most recent result will be displayed first, then the second, and so on consecutively. To halt, press the MEMORY/TARGET switch again.

Examples:

▲ 0.15 + GAIN

0.20 ▲ — LOSS
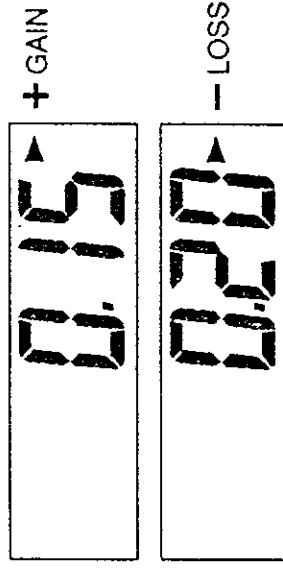
Clearing the MEMORY

You can clear the stored 31 measurements in memory. Remember:

- ▲ You can not clear any specific measurement, all 31 will be cleared.

- ▲ Once memory has been cleared, it can't be recalled.

- ▲ TARGET weight will not be cleared.

- ▲ Make sure the selector switch on the back is set to "MEMORY".

MEMORY ① ← TARGET ②

Yellow Switch
press and Hold 5 sec.

1 With the display OFF, press and hold the yellow MEMORY/TARGET switch for approximately five seconds, until "*CL*" is displayed.
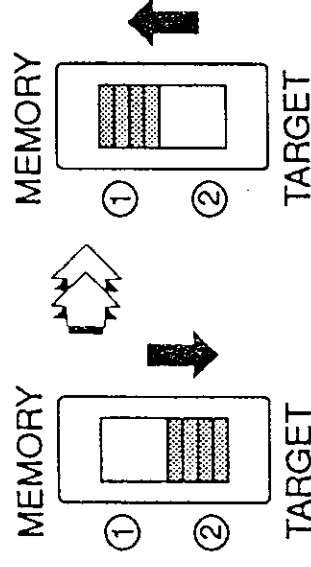
CL

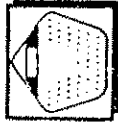↺ You have ten seconds to go to step 2, if the display goes off before you go to step 2, start again.

2 Switch the selector switch on the back to "TARGET" and then to "MEMORY".

MEMORY ① TARGET ② →

MEMORY ① ← TARGET ②

**3** The display will go OFF and the MEMORY will be cleared.
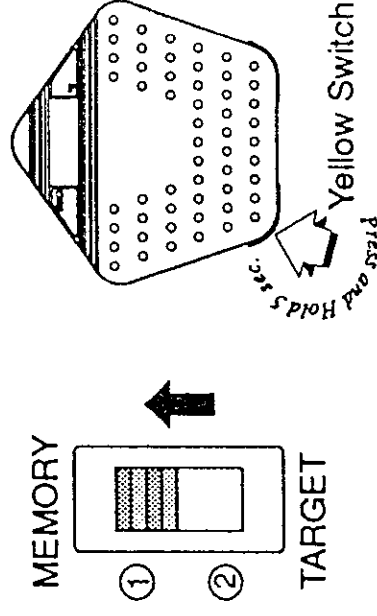
Using the TARGET Function

By setting a target weight, the UC-300 can tell you how close to the target your weight is.

**A** Make sure the selector switch on the back is set to "TARGET".

MEMORY
① →
②
TARGET

Yellow Switch

B With the display OFF, press and hold the yellow MEMORY/TARGET switch to increase the target weight (the green switch decreases it).

1 Press the yellow MEMORY/TARGET switch to turn the power ON, and wait for *0.00* to appear (the target weight will appear briefly first).

About 3 seconds

OK mark → o
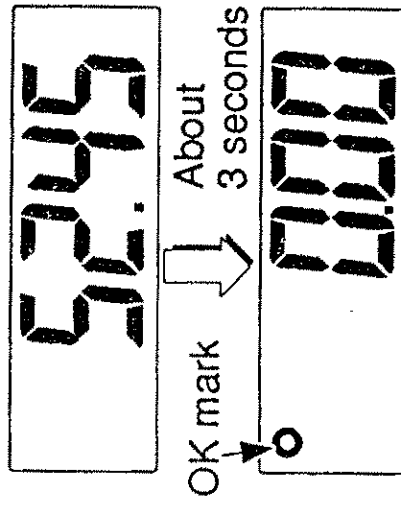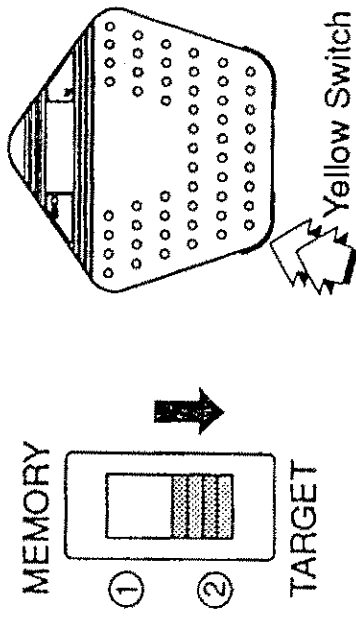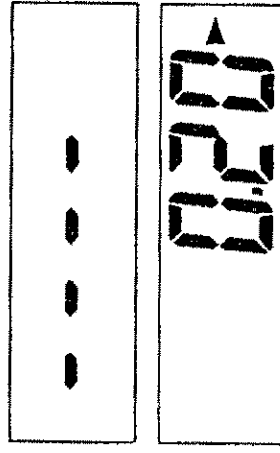
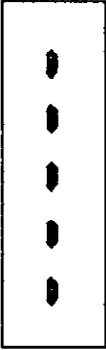**2** Step on, and the display will show: "– – – –" moving across the display.

○ The display will show a "+" or a "–" from the target weight stored in memory. In this example the weight is 0.20kg below the target weight.

Example:

▲ — LOSS

3 Step off the scale. The power automatically shuts off.
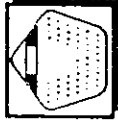
Trouble	Solutions
The display doesn't come ON after pressing the yellow or green switches	•Check to see if battery is properly installed •Replace Battery
Display does not change from: °88888	•Check to see that nothing is touching the scale
Weight measurement is not correct	•Check to see if the scale is on a soft surface, see page 2, 3
The power will not go off after more than 30 seconds with no change on the display	•Reinstall the battery
Display does not change from:	•Check to see if yellow or green switch is being held down

Remove the battery when transporting scale

page 12
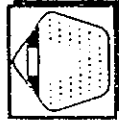
Specifications

Measuring Device:	Load Cell
Display:	Liquid crystal, character height: 2.5cm (1inch)
Maximum load:	136kg (300 lb.).
Minimum measurable weight:	50g (0.1 lb.).
Power source:	One DC-9V battery [S-006P (6F-22)]
Battery Life:	Approx. 1 year with four measurements per day (using a high performance battery)
Operating temperature:	10°C to 35°C
Dimensions:	31.1cm (12.25inches) Wide x 30.5cm (12.01inches) Depth x 4.7cm (1.85inches) Height
Weight:	Approx. 3.1 kg (6.83 lb.).
Standard Accessories:	One battery and user's manual

We hope that you have found this Instruction Manual useful and informative. If you have any suggestions for product improvement, found an error in this manual, or if you would like more information concerning this product, please don't hesitate to contact your nearest A&D office, or:

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